

EXHIBIT A SCOPE OF SERVICES

PROJECT NO. 890056343 2026 Biennial Bridge Inspection

DESIGN PROFESSIONAL

STATEMENT OF WORK

DELIVERABLES

Benesch (the Consultant) will provide the following services related to the inspection of legal structures owned/maintained by the City of Kansas City, Missouri (KCMO).

- Field inspection and documentation of:
 - Two hundred eighty-six (286) legal structures (list provided by KCMO)
 - Element level data collection on eleven (11) of the legal structures listed on the National Highway System (NHS)
 - Four (4) Foyer lighting towers for structural deterioration.

SCHEDULE

The duration of this scope of services is assumed to be completed by October 31, 2026; this schedule assumes City will provide NTP by or before January 19, 2026. The City will grant time extensions for unavoidable delays beyond the control of the Consultant. Requests for extensions of time shall be in writing by the Consultant, before plans or applicable project documents are due, stating fully the reasons for the request.

SCOPE OF SERVICES

Legal Structure Inspections | Report preparation, field coordination and inspection, scour screening, and documentation of two hundred eight-six (286) legal structures will be provided by Benesch.

A. Field Inspection & Documentation

1. The Consultant shall provide quality control/quality assurance review of deliverables related to the field inspection reports.
2. The Consultant shall input the inspection data into a City accessible database.

B. Channel Cross Sections

1. The Consultant shall create, based on field conditions, a cross-section exhibit of channel depths for each structure located over water.
2. Measurements shall be taken at both faces of each legal structure over a waterway.
3. Channel cross sections are limited to open span structures. No channel cross sections will be created for culvert-type structure.
4. Exhibits, showing Structure ID, location along the structure face, and channel depth shall be provided with each individual structure report as a final deliverable.
5. For any structure over a waterway in which traditional weight-on-measure rope method is not feasible for cross section measurements, the Consultant shall

provide a separate quote for a bathymetric survey to be conducted.

Element Level Inspections | Report preparation, field coordination and inspection, and documentation of eleven (11) element level structures.

A. Field Inspection & Documentation

1. The Consultant shall provide quality control/quality assurance review of deliverables related to the field inspection reports.
2. The element level inspection shall be gathered and reported in SNBI format.

B. KCMO Base File & SNBI

1. The Consultant shall collaborate with KCMO staff to make updates to the Base Inspection database and new SNBI database.

SNBI Integration | Specifications for National Bridge Inventory (SNBI) shall be the standard inspection and reporting system for the two hundred eighty-six (286) Consultant assigned structure inspections.

1. Consultant shall develop a SNBI level inspection data input form to be used in the field.
2. Each routine structure and element level inspection assigned to the Consultant shall be done per SNBI standards.
3. Consultant shall provide MoDOT with SNBI data for each assigned routine structure.

Probable Repair Costs | Preparation of an opinion of probable repair costs for each assigned structure.

1. Consultant shall prepare and provide an itemized opinion of probable cost for the repair for each structure, as needed, based on field inspection findings.
2. The City shall provide Consultant with unit costs and repair items for specific locations for City inspected structures to be incorporated into the Consultant costs.
3. Consultant shall provide a prioritized list of structures recommended for repair or replacement based on inspection results.

Meetings | Consultant and City to conduct meetings during duration of the inspection and reporting time period.

1. Up to six (6) meetings are included in the scope of services.
2. Each meeting is assumed to be conducted online.
3. Duration of each meeting is assumed to be limited to one (1) hour each.

Final Deliverables | Reports of findings in both hard copies and electronic are to be produced by Consultant.

A. Summary Reports

1. Consultant shall furnish a preliminary summary report of inspection findings in electronic form by City review.
2. A preliminary Aviation summary report shall be provided for review by City staff.

B. Final Inspection Report

1. Consultant shall prepare and submit updated legal structure inspection files as a hard copy to the City.
 2. Hard copy to include a cover sheet, SNBI forms, picture list, recommended improvements, SI&A sheet, and CIF, as needed, generated in SNBI.
 3. If requested, up to six (6) hard copies of the summary report shall be prepared by the Consultant and submitted to the City. Summary report to include results of inspections, investigations, analyses, cost estimates, and recommendations.
- C. Aviation Department Report
1. Consultant shall prepare a separate report for the Aviation Department.
 2. Report shall list all structures and inspection reports located at the airport.
 3. Report shall include color photos of each structure along with maintenance recommendations.
- D. Foyer Light Tower Report
1. Consultant to provide three (3) copies of the inspection report including inspection findings and recommended repairs.

ASSUMPTIONS AND EXCLUSIONS

- A. Unless otherwise specified, all meetings are assumed to be virtual and a max of one (1) hour long.
- B. KCMO standards and procedures in effect as of 4/20/2026 to be followed, unless specifically mentioned in this document.
- C. No traffic control, repair or replacement engineering design, topographic survey, or in-depth scour analysis is included with this Scope of Services.
- D. Inspection methods are limited to visual and non-destructive testing (NDT) only. If any conditions are encountered in which the Consultant believes other inspection methods and/or testing devices are required, a written request, along with an estimated cost and scope of services, shall be submitted to the City.
- E. Optional tasks, included but not limited to items shown in Task E, are for information only. If these, or any other, tasks are requested to be performed by the Consultant, a separate letter agreement shall be prepared and submitted along with a formal manhour estimate and scope of services. Consultant will start work on the additional task only after a Notice to Proceed (NTP) or an executed change order from the City.

POTENTIAL ADDITIONAL SCOPE ITEMS

- A. Below items are considered potential additional scope items that are not included in the above scope of services.
 - a. Perform site visit and perform in-depth field inspections, cost estimate and conceptual design for structure replacements.
 - b. Provide additional field inspections for structures not assigned to Consultant.
 - c. Provide Inspection Reports for structures not assigned to Consultant.
 - d. Load ratings for structures assigned to Consultant
 - e. Load ratings for structures not assigned to Consultant.

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Man-Hour Estimate - 2026 KCMO Biennial Inspection Program

Note: Right Most Column Denotes Whether Task is Shared Cost Between Public Works & Aviation Department (Y/N)

Phase A Pre-Inspection Coordination								
TASK #	TASK DESCRIPTION	SPM	SLR	PM/TL	TL/2ND	LR/2ND	SUB (MBE)	SUB (WBE)
1	Attend Pre-Inspection Coordination Meeting (Qty. 1)	4	---	4	---	---	---	---
2	Compile and Review Existing Bridge Records	---	---	4	4	4	---	---
3	Acquire MoDOT Database Clearance	---	---	8	4	---	4	4
4	Establish Inspection Process & Safety Plan	---	---	6	2	---	---	---
5	Pre-Inspection Internal Kick-Off/Safety Meeting(Qty 1)	2	---	2	4	4	2	2
6	Project Management & Administration	2	---	8	---	---	---	---
Subtotal Phase A =		8	0	32	14	8	6	6
Phase A Manhour Subtotal =								74

N
N
N
N
N

Phase B Development of SNBI Forms								
TASK #	TASK DESCRIPTION	SPM	SLR	PM/TL	TL/2ND	LR/2ND	SUB (MBE)	SUB (WBE)
1	SNBI Data Preparation	4	---	8	160	60	---	---
2	Foyer Lighting Tower Inspection Sheet	2	---	---	4	2	---	---
3	Quality Control & Assurance of Electronic Forms	2	---	12	4	---	---	---
4	Attend Project Progress Meeting (Review Elect. Forms)	---	---	4	---	4	---	---
5	Address KCMO Comments/Finalize SNBI Forms	---	---	16	---	8	---	---
6	Project Management & Administration	4	---	12	---	---	2	2
Subtotal Phase B =		12	0	52	168	74	2	2
Phase B Manhour Subtotal =								310

N
Y
Y
Y
Y

Phase C Field Inspection of Bridges								
TASK #	TASK DESCRIPTION	SPM	SLR	PM/TL	TL/2ND	LR/2ND	SUB (MBE)	SUB (WBE)
1	Perform Routine Inspection of 286 Bridges *	24	---	24	300	44	122	122
2	Perform Channel Cross Section Data Collection of 208 Bridges	---	---	---	52	---	26	26
3	Perform Element Level Inspection of 11 Bridges*	4	---	4	24	---	24	---
4	Perform Routine Inspection of 4 Foyer Lighting Towers *	8	---	---	---	8	---	---
5	Project Management & Administration	16	---	30	---	---	2	2
Subtotal Phase C =		52	0	58	376	52	174	150
Phase C Manhour Subtotal =								862

Y
N
N
N

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Man-Hour Estimate - 2026 KCMO Biennial Inspection Program

Note: Right Most Column Denotes Whether Task is Shared Cost Between Public Works & Aviation Department (Y/N)

Phase D Data Entry, Individual Bridge Files & Summary Reports									
TASK #	TASK DESCRIPTION	SPM	SLR	PM/TL	TL/2ND	LR/2ND	SUB (MBE)	SUB (WBE)	
1	Attend Proj. Progress Mtg (Automated Data Upload Proc.)(Qty. 1)	4	---	4	4	---	---	---	N
2	Input/Upload Insp. Data to MoDOT's MoBIS (286 Bridges) *	---	---	16	---	20	120	80	Y
3	Prepare Field Inspection Photo Logs (286 Bridges)	---	---	---	60	60	---	---	Y
4	Prepare Individual Bridge Repair/Maintenance Cost Estimates (286 Br.'s)	---	---	16	80	60	24	---	Y
5	Prepare Maintenance, Repair & Replacement List	---	---	8	16	16	---	---	Y
5	Finalize Channel Cross Section Exhibit	---	---	12	32	24	---	---	
6	Prepare Summary Tables of Inspection Data	---	---	10	30	20	---	---	Y
7	Prepare Individual Bridge Reports (286 Bridges)	---	---	10	80	60	24	40	Y
8	Prepare Summary Report for KCMO Public Works Department	---	---	8	42	---	---	---	N
9	Prepare Summary Report for KCMO Aviation Department	4	---	4	24	---	---	---	Y
10	Create PDFs & Paper Copies of All Public Works Dept. Bridge Files	---	---	---	32	12	---	---	N
11	Create PDFs & Paper Copies of All Aviation Dept. Bridge Files	---	---	---	8	8	---	---	Y
12	Quality Control & Assurance Review of Reports & Tables	16	---	24	---	---	80	---	Y
13	Attend Proj. Progress Mtg. (Review Draft Bridge Reports)(Qty. 1)	3	---	3	---	---	---	---	Y
14	Address Public Works/Aviation Dept. Comments - Finalize Reports	4	---	16	24	---	---	---	Y
15	Project Management & Administration	20	---	24	---	---	20	16	Y
Subtotal Phase D =		51	0	155	432	280	268	136	
Phase D Manhour Subtotal =									1322

Phase E Potential Additional Scope Items (Performed As Requested By KCMO)										
TASK #	TASK DESCRIPTION	SPM	SLR	PM/TL	TL/2ND	LR/2ND	SUB (MBE)	SUB (WBE)	Include?	Hours
1	Perform Site Visit/In-Depth Insp./Cost Est./Conceptual Replace. Eval. (5)	5	15	60	60	60	0	0	N	200
2	Provide Additional Field Insp. (Only) for KCMO Assigned Culverts* (80)	0	0	0	120	0	60	60	N	240
3	Provide Inspection Report for Culvert Not in 286 Total* (30)	0	0	0	23	0	0	0	N	23
4	Provide Load Rating for (5) Existing Structures *	0	10	0	0	40	0	0	N	50
5	Provide Load Rating for (10) Existing Structures *	0	20	0	0	120	0	0	N	140
Subtotal Phase E =		0	0	0	0	0	0	0		
Phase E Manhour Subtotal =									0	

Notes: (See Asterisks *)

Phase C
Task C.2-C.3 - Assumes MBE and WBE Subconsultants Providing 2nd Inspector & No NDT Testing Included With Scope
Phase D
Task D.2 - Assumes Manual Entry of Information to Databases
Phase E
Task E.2 - Not part of "core" scope of services/does not include access equipment, traffic control, or NDT testing - calculated for typ. 3-cell culv.
Task E.4 - Assumes Bridge Plans Are Provided to Benesch (No Field Measurements/Testing/Evaluation Required) for typ. 3-span br./AASHTOWare BrR
Task E.5 - Assumes No Bridge Plans Available; Field Measurements/Testing/Evaluation Required for typ. 3-span br./AASHTOWare BrR

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Engineering Fee - 2026 KCMO Biennial Inspection Program

Reference Exhibit A - Man-Hour Estimate

Phase A	Pre-Inspection Coordination			
TASK #	BENESCH TITLE (PROJECT ROLE)	Estimated Man Hours	Billable Rate	Labor Cost
1	SPM (Senior Project Manager)	8	\$240.00	\$1,920.00
2	SLR (Senior Load Rater)	0	\$240.00	\$0.00
3	PM (Proj. Mgr.) TL (Team Leader)	32	\$205.00	\$6,560.00
4	TL (Team Leader) 2ND (2nd Insp.)	14	\$150.00	\$2,100.00
5	LR (Load Rater) 2ND (2nd Insp.)	8	\$150.00	\$1,200.00
6	Subconsultant (MBE)	6	\$210.00	\$1,260.00
7	Subconsultant (WBE)	6	\$150.00	\$900.00
	Subtotal Phase A =	74	---	\$13,940.00

Phase B	Development of Electronic Inspection Forms			
TASK #	BENESCH TITLE (PROJECT ROLE)	Estimated Man Hours	Billable Rate	Labor Cost
1	SPM (Senior Project Manager)	12	\$240.00	\$2,880.00
2	SLR (Senior Load Rater)	0	\$240.00	\$0.00
3	PM (Proj. Mgr.) TL (Team Leader)	52	\$205.00	\$10,660.00
4	TL (Team Leader) 2ND (2nd Insp.)	168	\$150.00	\$25,200.00
5	LR (Load Rater) 2ND (2nd Insp.)	74	\$150.00	\$11,100.00
6	Subconsultant (MBE)	2	\$210.00	\$420.00
7	Subconsultant (WBE)	2	\$150.00	\$300.00
	Subtotal Phase B =	310	---	\$50,560.00

Phase C	Field Inspection of Bridges			
TASK #	BENESCH TITLE (PROJECT ROLE)	Estimated Man Hours	Billable Rate	Labor Cost
1	SPM (Senior Project Manager)	52	\$240.00	\$12,480.00
2	SLR (Senior Load Rater)	0	\$240.00	\$0.00
3	PM (Proj. Mgr.) TL (Team Leader)	58	\$205.00	\$11,890.00
4	TL (Team Leader) 2ND (2nd Insp.)	376	\$150.00	\$56,400.00
5	LR (Load Rater) 2ND (2nd Insp.)	52	\$150.00	\$7,800.00
6	Subconsultant (MBE)	174	\$210.00	\$36,540.00
7	Subconsultant (WBE)	150	\$150.00	\$22,500.00
	Subtotal Phase C =	862	---	\$147,610.00

Phase D	Data Entry, Individual Bridge Files & Summary Reports			
TASK #	BENESCH TITLE (PROJECT ROLE)	Estimated Man Hours	Billable Rate	Labor Cost
1	SPM (Senior Project Manager)	51	\$240.00	\$12,240.00
2	SLR (Senior Load Rater)	0	\$240.00	\$0.00
3	PM (Proj. Mgr.) TL (Team Leader)	155	\$205.00	\$31,775.00
4	TL (Team Leader) 2ND (2nd Insp.)	432	\$150.00	\$64,800.00
5	LR (Load Rater) 2ND (2nd Insp.)	280	\$150.00	\$42,000.00
6	Subconsultant (MBE)	268	\$210.00	\$56,280.00
7	Subconsultant (WBE)	136	\$150.00	\$20,400.00
	Subtotal Phase D =	1322	---	\$227,495.00

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Engineering Fee - 2026 KCMO Biennial Inspection Program

Reference Exhibit A - Man-Hour Estimate

---	Subconsultant & Direct Costs	
TASK #	Project Reimbursable Description	Cost
1	HG Consult (MBE Subconsultant - Serving as Team Lead / 2nd Inspector/QA)	\$93,450.00
2	Solid Ground Eng (WBE Subconsultant - Serving as 2nd Inspector / Data Input)	\$44,500.00
3	Expenses	\$5,545.00
4	Printing & Miscellaneous	\$500.00
	Subtotal Subconsultants & Direct Costs =	\$143,995.00

2026 KCMO Biennial Inspections		Units
Phases A-D (Including Direct Costs)		
a)	Subtotal Man Hours	2568 hrs
b)	Subtotal Prime Cost	\$301,005.00
c)	Subtotal Subconsultant and Direct Cost	\$143,995.00
Total for 2026 KCMO Biennial Inspections =		\$445,000.00

Total Cost (Benesch Portion) =	\$301,005.00	
Total Cost (HG Consult - MBE) =	\$93,450.00	21.3% Planned
Total Cost (Solid Ground - WBE) =	\$44,500.00	10.1% Planned
Total Direct Expense (Non-Subconsultant) =	\$6,045.00	
Total 2026 Project Cost =	\$445,000.00	

Breakdown of Aviation Department vs Public Works Cost Share

Reference Attached Exhibit C for Breakdown of Aviation Department Hours

Exhibit C Shows Aviation Department Cost Share Portion of Manhours Summarized in Exhibit A

Total Project Cost =	\$445,000.00	
Public Works Department Cost Share =	\$416,075.00	93.5% of Total Contract
Aviation Department Cost Share =	\$28,925.00	6.5% of Total Contract

Potential Additional Scope Items

Note:

Potential Additional Scope Items Shown on Following Page. Cost of Additional Scope Items Not Included in Contract Total

Phase E	Potential Additional Scope Items (Performed As Requested By KCMO)	
TASK #	BENESCH TITLE (PROJECT ROLE)	Total Hours
1	Perform Site Visit/In-Depth Insp./Cost Est./Conceptual Replace. Eval. (5)	200
2	Provide Additional Field Insp. (Only) for KCMO Assigned Culverts* (80)	240
3	Provide Inspection Report for Culvert Not in 286 Total* (30)	23
4	Provide Load Rating for (5) Existing Structures *	50
5	Provide Load Rating for (10) Existing Structures *	140

Notes: (See Exhibit A for Asterisks *)

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Man-Hour Estimate - 2026 KCMO Biennial Inspection Program

Aviation Cost Share Portion of Contract

Note: No Tasks In Phase A Identified as Cost Share

Reference Exhibit A for Overall Hours (Exhibit A Includes Hours Shown Below)

Phase B Development of Electronic Inspection Forms									
TASK #	TASK DESCRIPTION	SPM	SLR	PM	LR	TL	LR/2ND	SUB (MBE)	SUB (WBE)
1	SNBI Data Preparation			1			1		
2	Light Pole Inspection Sheet			1					
3	Quality Control & Assurance of Electronic Forms	0.5		0.5			0.5		
4	Attend Project Progress Meeting (Review Elect. Forms)	0.5		0.5					
5	Address KCMO Comments/Finalize Electronic Forms			0.5			0.5		
6	Project Management & Administration	0.5		1.5					
		1.5	0	5	0	0	2	0	0
Phase B Manhour Subtotal =							8.5		

Y
N
Y
Y
Y
Y

Phase C Field Inspection of Bridges									
TASK #	TASK DESCRIPTION	SPM	SLR	PM	LR	TL	LR/2ND	SUB (MBE)	SUB (WBE)
1	Perform Routine Inspection of 19 Bridges *					19		19	
	Subtotal Phase C =	0	0	0	0	19	0	19	0
Phase C Manhour Subtotal =							38		

Y

Phase D Data Entry, Individual Bridge Files & Summary Reports									
TASK #	TASK DESCRIPTION	SPM	SLR	PM	LR	TL	LR/2ND	SUB (MBE)	SUB (WBE)
1	Input/Upload Insp. Data to MoDOT's MoBIS (19 Bridges) *				3				
2	Prepare Field Inspection Photo Logs				7	7	7		
3	Prepare Individual Bridge Repair/Maintenance Cost Estimates				8	8	8		
4	Prepare Maintenance, Repair & Replacement List			2	2		2		
5	Prepare Summary Tables of Inspection Data				3	3	2		
6	Prepare Individual Bridge Reports (19 Bridges)				19	9	10		
7	Prepare Summary Report for KCMO Aviation Department				2	2	1		
8	Create PDFs & Paper Copies of All Aviation Dept. Bridge Files				2	1			
9	Quality Control & Assurance Review of Reports & Tables		2	1		2			
10	Attend Project Progress Meeting (Review Draft Bridge Reports)			1	1				
11	Address Public Works/Aviation Dept. Comments - Finalize Reports	2		1	2		2		
	Subtotal Phase D =	2	2	5	49	32	32	0	0
Phase D Manhour Subtotal =							122		

Y
Y
Y
Y
Y
Y
Y
Y
Y
Y
Y

Notes: (See Asterisks *)

Task C.1 - Assumes MBE or WBE Subconsultants Providing 2nd Inspector

Task D.1 - Assumes Manual Upload of Information to Databases