

**DISPUTE RESOLUTION BOARD (DRB) MEMBER /
DISPUTE RESOLUTION ADVISOR (DRA) RESUME**

CEM-6220 (NEW 05/2019)

MAJDI M. KANAAN

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DATE 04/09/2021**■ CURRENT EMPLOYMENT** *Please enter your most recent experience first*

Current Job Title President

Begin Date: 04/20/2005

Employer Name ADKO Engineering, Inc.

Duties/Projects:

1 I have more than 35 years of experience with municipalities, resource agencies and Caltrans to bring much needed bridge, roadway and infrastructure improvements throughout Northern and Southern California. I am a principal of the firm and specializes in all aspects of transportation projects ranging from transportation studies to construction documents. My experience in managing studies includes, project reports, project study reports, and concept approval reports. I have been a Project Manager/Project Engineer on over 50 transportation projects throughout California. I am well versed in all aspects of transportation design including bridges and other transportation-related structures and has been a designer or performed the independent check of more than 150 projects including major bridge seismic retrofits, new roadways, widenings, replacements, pedestrian overcrossings, historic bridges, retaining walls, and culverts.

I have managed the completion of many bridge projects, including advanced analysis and design, preparation of plans, specifications, and estimates (PS&E) per AASHTO, Caltrans' BDS and LRFD, Seismic Design Criteria (SDC), Bridge Design Details, and Memos to Designers for new construction and widening projects.

Implemented Quality Assurance procedures. Prepared contract change orders for any changes, additions, or deletions from the contract plans and specifications to ensure proper completion of projects; Responded to RFI's, and resolved Contractors' claims; prepared daily, weekly reports, and letters to address the project construction issues. Conferred with contractors regarding compliance with project plans, quality of work, construction activities, and CAL-OSHA regulations; Provided Bridge construction engineering inspection to ensure contractual compliance and adherence to the Special Provisions, Contract Plans, Standard Specifications, Standard Plans, Construction Procedure Directives, OSC technical manuals, and supplemental project information.

Followed guidance on Bridge Construction Records & Procedures, OSC Construction Practices & Procedures, and CAL-OSHA construction safety regulations. Performed structure analysis for Bridge construction and all other structural related items.

Reviewed and approved Contractors' submittals of demolition plans, soil excavation plans, shoring plans, sloping, benching, falsework, forms, concrete mix design, concrete curing, column guying plans, box girder post tensioning, overhead sign structures shop drawings, pile placement plans, pile driving; Calculated bridge camber, joint seals, pile driving, grades for bridge soffit, deck dowels, abutments and shear keys.

Performed field inspection for materials to be inspected at the jobsite, structure excavation and backfill, shoring, reinforcing steel, placing and curing concrete, finishing concrete surfaces, pile driving, bridge deck construction, barrier rails, sign structures, box girder post tensioning, joint seal installation; Advised the Contractor on major phrases of construction activities, and schedules; Carried out on-site material quality check and CTM testing procedures (California Test Method).

Recorded and filed project documents pertaining to construction progress including diaries, Structure Rep weekly reports, weekly newsletters, project status initial and completion reports, structure item memo, material testing results, as-built drawings, etc.

■ ONGOING CONSULTING SERVICES *Please enter your most recent experience first*

Job Title Project Manager

Begin Date: 04/20/2005

Employer Name ADKO Engineering, Inc.

Duties/Projects:

1 ADKO Engineering is providing and has provided on-call, as-needed bridge design and independent design check to Caltrans through our prime consultant AECOM since 2017. Our scope of work includes the following Caltrans District 59 Southern Region: Task Order 3, Ferguson Slide Rock Shed, conducted a peer review report for Caltrans new rock shed (Culvert) on Highway 140 between Mariposa and El Portal at Ferguson slide. The new rock shed Culvert will provide a safe and convenient access through a rock

fall area due to a land slide movement.

Task Order 4, Our project assignments include: Santa Anita Ave Undercrossing (Widening) Project; Tyler Ave Undercrossing Project; Azusa Ave Undercrossing Project; Citrus Street Undercrossing Project; Holt Avenue Undercrossing Project

Task Order 8, Our project assignments include: Solstice Canyon Creek Bridge Independent Check of 50' long and 95' wide reinforced concrete slab bridge.

Task Order 11, Our project assignments include: North Fork Matilija Creek (Widen)_Br 52-0044 Independent check which has five spans continuous reinforced concrete haunched "T" girders with cantilevered end spans and end diaphragms. Substructure consists of three column bents supported on spread footing. North Fork Matilija Creek (Widen)_Br 52-0173 Independent which consists of a single span steel girder bridge with a concrete deck and steel cross frame diaphragms. The superstructure is supported on two skewed seat type abutments and modeled in CSI bridge and CTAbutment for the bridge the abutment design.

Task Order 16, Our project assignments include: Barranca Parkway Tieback Wall Design; Alton Parkway Tieback Wall Design

Task Order 17, Our project assignments include: Gaffey Street Bridge (Br. No. 53-0397Y) (07-LA-110-R0.75) Design; Compton Creek Bridge OH (Br. No. 53-2235) (07-LA-91-R10.19) Independent Check Construction

Value: \$50 Million ADKO Fee: \$2 Million

Task Order 26, Our project assignments include: San Joaquin River Bridge Independent check and San Joaquin River, Santa Rita Bridge

Task Order 27, Our project assignments include: Design of McCoy Wash Bridge and Gale Ditch Bridge.

OC 405 Widening Project, Orange County, CA: Project Manager, Managed the independent design check services for the replacement of the existing eight overcrossings in Orange County. Our tasks involve identifying potential savings for the OC40 JV that totaled more than 50 Million. Project sites include: Talbert Ave OC Replacement is the largest structure on I-405 (434' long) with 22 lanes totaling approximately 114'-0" in width. This two continuous spans CIP/PS box girder bridge is supported on a five-column and 24" driven steel pipe piles. A type selection report was provided on this structure. The challenges include the seismic analysis for liquefaction and lateral spreading. Slater Ave OC Replacement spans I-405 is 332' long and 78' wide structure. This two continuous spans CIP/PS box girder bridge is supported on a four-columns and 24" driven steel pipe piles. The challenges include the seismic analysis for liquefaction and lateral spreading.

Harbor Blvd UC (Widening) spans I-405 is 203' long and varies from 7' to 19' in width. This four continuous spans CIP/PS box girder bridge is supported on single column bents and class 200 piles. The challenges included retrofitting the existing 200' wide structure. and retrofitting the existing structure.

Santa Ana River Bridge (Widening) is 440' long CA-I36 PC/PS Girder Bridge on both sides totaling 100' variable width structure. The bridge is supported on pier walls and bin type wall abutments. The challenges include the seismic analysis for liquefaction and lateral spreading and retrofitting the existing structure.

Heil Ave Pedestrian OC is comprised of three CIP/PS Box Girder (333'-6" long) spanning I-405 14 lanes and four level on-ramps at each end (1000' long). The superstructure is supported on single 5' columns and 96" CIDH Shafts. The challenges include the seismic analysis for liquefaction and lateral spreading.

Other projects assignments includes Edward Street OC; Springdale Street OC Replace and 405-73 HOV Connector Separation.

Construction Value: \$50 Million ADKO Fee: \$300,000

FHWA – Sonoma Culvert, Napa County, Ca: The experienced extensive cracks (1" wide) in the stone arch culvert and cracks in pavement. The project consists of repairing the existing unreinforced mortared stone masonry culvert. The culvert repair consist of drill and bond dowels into the damaged culvert and shotcrete with reinforced shell. Construction Cost: \$250,000

FHWA – Berryessa/ Knoxville Culvert, Napa County, Ca: Design and construction of an open bottom concrete culvert to replace the 4-48" CMP culverts damage din the 2017 Storm. Construction Cost: 1 Million.

FHWA – Yountville Crossroad, Napa County, Ca: Yountville Crossroad bridge consist of a six spans continuous PC/PS "I" Girder total

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5 with reinforced concrete deck and reinforced concrete pier walls with reinforced cantilever seat-type abutments and monolithic wingwalls. The proposed project included repairing the following items that were damaged during the 2014 Earthquake. The proposed project includes replacing the 2 ½"x9"x18" elastomeric bearing pads (total 5) at abutment 1 using hydraulic jacks; reconstruction of 40 feet long by 39'-6" wide roadway approaches. The roadway approaches consist of 0.3" AC and 1.3' aggregate base. All work will be done from at the roadway surface; replacement of the cracked 2.2"x2.5"x 4.5" shear key at abutment 1 south by removing the existing concrete and protecting the existing shear key rebars. Dowels were added to connect the replacement shear key to the abutment by jack hammering the spalled concrete. Construction Cost: \$200,000.

FHWA - Oakville Cross Road Bridge Replacement, Napa County, Ca: ADKO, provided the bridge portion of the PS&E for the Oakville Cross Road Bridge Replacement. The structure improvements included replacement of a narrow bridge with a new two-lane two-span box girder bridge, a roughened channel, and the lengthening of a four-cell box culvert. The project was completed on time and budget. Construction Value: \$4 Million

FEMA Manley Culvert, Napa County, Ca: Design and construction of an open bottom pre-cast box culvert to replace the culvert damaged in 2014 earthquake. Construction Cost: 1 Million.

Devlin Road Segment E, Napa Ca: Managed the design and construction of a new 1,100' road alignment with a 92' bridge, Class 1 multiuse path, bioretention facilities, storm, sewer, recycled water and water facilities, streetlights, utility joint trench and safety features. Construction Cost: 4.5 Million.

FEMA – Ridgecrest Drive, Napa County, Ca: Rehabilitation and re-construction of road and embankment (slide in 2017 storm) with the roadway section reconstructed over retaining wall backfill. The new pavements were reconstructed beyond the limits of new wall backfill. Filling and repaving the roadway was required to restore the asphalt surface and pre-slide drainage patterns. A cast-in-drilled hole pile supported concrete retaining wall structure along the downslope shoulder of the roadway was constructed to rebuild the slope and restore lateral support. Relatively closely-spaced piles and reinforced concrete lagging will transfer lateral soils loads to deeper and stronger materials. Construction Cost: 1.1 Million.

FEMA – Sunnyhill Drive, Napa County, Ca: Rehabilitation and re-construction of road and embankment (slide in 2017 storm) with the roadway section reconstructed over retaining wall backfill. The new pavements were reconstructed beyond the limits of new wall backfill. Filling and repaving the roadway was required to restore the asphalt surface and pre-slide drainage patterns. A cast-in-drilled hole pile supported concrete retaining wall structure along the downslope shoulder of the roadway was constructed to rebuild the slope and restore lateral support. Relatively closely-spaced piles and reinforced concrete lagging will transfer lateral soils loads to deeper and stronger materials. Construction Cost: 1 Million.

Brookside Drive Culvert, Napa County: Design and construction of Brookside Drive and embankment that collapsed above the culvert in the 2017 Storm with slip lining of the 46' by 108 in diameter (CMP) culvert and restoring the road with concrete retaining wall and guardrails; including channel improvements and riparian planting compensated for environmental impacts. Construction Cost: 1.5 Million.

Sperry Road Extension Project (5 Bridges), City of Stockton, CA: Structures Rep for a six-span structure. The Extension of Sperry Road from Performance Drive to French Camp Road provides a through connection between 1-5 and State Route 99 in the vicinity of the Stockton Metropolitan Airport.

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PAST WORK EXPERIENCE Please enter your most recent experience first

Job Title Project Manager

Employer Name PSOMAS

From: 3/1/2004 To: 6/1/2005

	Duties/Projects	Begin Date	End Date
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1	Project Manager/Designer on Lewis Avenue Bridge, Structural Steel Truss Tied Arch, Atascadero, CA: aesthetically pleasing Tubular Steel Pipe Arch Truss Bridge in the City of Atascadero over Atascadero Creek. The bridge is approximately 164 feet long and 64 feet wide. The bridge concrete deck and structural members will be supported by suspension cables. This type of structure was used due to hydrology clearance which kept the deck thickness to a minimum. The project included advance planning studies, bridge PS&E, geotechnical investigation, environmental, surveying and mapping, hydraulic/scour evaluation, traffic control, roadway modifications, stage construction, utility relocations, drainage, public relations, right-of-way appraisals and acquisitions, and coordination with Caltrans and local agencies. A temporary trestle four feet away from the new bridge edge of deck will be constructed and supported outside the wetted area of the creek to allow the contractor to cross the creek.	12/1/2004	6/1/2005
2	Lead Engineer on Lower Silver Creek, San Jose, CA: phase 2 and 3 channel retaining walls, U-Frame structures, ramps, stairs, outfalls, Lausett and Kammerer steadfast pedestrian structures, and Alum Rock Utility precast prestressed bridge.	3/1/2004	12/1/2004

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Job Title Project Manager

Employer Name CH2M HILL

From: 02/19/1996 To: 6/1/2002

	Duties/Projects	Begin Date	End Date
1	Task manager on ETC Design/Build Sections 9, 12 and 14 Eastern Transportation Corridor Design/Build Toll Project, Orange County, CA: . These sections consists of connectors, tunnels and wild life crossings. Managing work required close coordination with Caltrans and Corridor Management Group (CDMG). Joint resolution meetings were required for all stake holders on a continuous basis.	2/19/2000	6/1/2002
2	Lead structural engineer on this project for Santa Clara Valley Water District (SCVWD), Lower Guadalupe River, Santa Clara, CA: . The project involved levee raise to increase the design flow capacity of Lower Guadalupe River from SFO Bay to I-880 in downtown San Jose. Levee raise was accomplished using floodwalls on top of levee, inboard retaining walls, outboard MSE walls and tie back walls for maintenance access roads under Hwy 101, Montague Expressway and Tasman Drive Bridges.	02/19/1996	6/1/2000

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Job Title Associate Bridge Engineer

Employer Name Mark Thomas & Company, Inc.

From: 5/5/1994 To: 2/19/1996

	Duties/Projects	Begin Date	End Date
1	Project engineer on Eight Mile Drive OC, Route 65, Lincoln, CA: The structure is a two-span, post-tensioned box girder with total length of 261 feet. Aesthetic treatment was coordinated with city developers and Caltrans. Provided plans specifications and estimate.	5/5/1995	2/19/1996
2	Project engineer responsible for EBMUD OC (Widen), I-5/March Lane Interchange, Stockton, CA: The structure involved the widening of a four span, 256-foot-long, conventionally reinforced concrete box girder structure over EBMUD's primary aqueduct in Stockton. Evaluated the existing structure for seismic retrofit, as well as waterline pipe protection and noise level requirements during construction. Provided plans specifications and estimate.	5/5/1994	2/19/1995

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LICENSES

	License Title	License Number	Issued By	Issue Date	Expiration Date
1	Professional Engineer	50238	California State Board of Registration for Professional Engineers and Land Surveyors	1/19/1993	06/30/2021

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CERTIFICATES

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
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	Certificate Title	Certificate Number	Issued By	Issue Date	Expiration Date
1	QSP				

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EDUCATION

	Diploma/Degree/Certificate	Course of Study	University/College	Date Completed	Dates Attended (If diploma not awarded)
1	Post Graduate Courses	Project Management	UC Davis	4/21/1985	2/2003 - 7/2003
2	MS	Structural Engineering	Lamar University	4/21/1981	8/1983 - 8/1985
3	BSCE	Civil Engineering	Saint Martin's University	12/3/1981	11/1978 - 12/1981

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DRB/DRA TRAINING ATTENDED

	Training Title	Training Provider	Date(s) Attended
1	Dispute Resolution Board (ORB) & Dispute Resolution Advisor (ORA) Training	Ann McGough	09/14/2016 - 9/15/2016

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PROFESSIONAL AFFILIATIONS

	Title	Organization Name	Your Role/Organization Description	Affiliation Dates
1	None	ASCE	None	-

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ONGOING ALTERNATIVE DISPUTE RESOLUTION EXPERIENCE *Please enter your experience in chronological order*

	Project Name (Caltrans EA)	Contract \$ Amount	Administrating Agency	Contractor	Start and End (estimated) Dates	Your Role	
						DRB Member	DRB Chair/DRA
1	None				-	<input type="checkbox"/>	<input type="checkbox"/>

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COMPLETED ALTERNATIVE DISPUTE RESOLUTION EXPERIENCE

	Project Name (Caltrans EA)	Contract \$ Amount	Agency Administered	Contractor	Start and End Dates	Your Role	
						DRB Member	DRB Chair/DRA
1	None				-	<input type="checkbox"/>	<input type="checkbox"/>

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CERTIFICATION AND ACKNOWLEDGMENT

- By checking this box, I certify that the information in this form is true and accurate to the best of my knowledge, information, and belief.
- By checking this box, I acknowledge that I will uphold the Dispute Resolution Board Foundation (DRBF) Canons - (1) Disclosure, (2) Conflicts of Interest, (3) Confidentiality, (4) Board Conduct and Communication, and (5) Board Procedures - as described in Section I, "Description of Work," of the DRB or DRA Agreements.
- By checking this box, I understand that either the Department or the Contractor may replace me as described in Section VII, "Replacement of DRB Member," or "Replacement of DRA," including for failure to uphold the DRBF Canons as specifically set forth in Section I, "Description of Work," of the DRB or DRA Agreements, respectively.

SIGNATURE

DATE
 Apr 9, 2021