

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

CEM-6220 (NEW 05/2019)

MOHAMMAD A. RAVANIPOUR

27641 Hidden Trail Rd.

Laguna Hills CA 92653

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mohammadravanipour@gmail.com

DATE 12/08/2024**CURRENT EMPLOYMENT** Please enter your most recent experience first

Current Job Title Retired

Begin Date: Nov 30, 2023

Employer Name Retired from California Department of Transportation November 30, 2023

Duties/Projects:

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

Job Title

Begin Date:

Employer Name

Duties/Projects:

 1**PAST WORK EXPERIENCE** Please enter your most recent experience first

Job Title Senior Transportation Engineer Construction field

Employer Name California Department of Transportation, District 12 Orange County California Construction Field

From: Sept. 2011 To: Dec. 2023

	Duties/Projects	Begin Date	End Date
1	Construction Engineer in charge of Marine Way and 4 Venture Field office in Irvine, Dist 12 Orange County, has administered over \$700 million of project construction cost that includes multiple projects along Route 74, Route 73, Route 133/241, Route 5, Route 405, Route 91, Route 22, and Route 1 PCH.	Sep 2011	Nov. 2023
2	Construction Engineer for State Route 241 Toll road paving project, State Route 74 widening, State Route 73 Toll road safety improvements, multiple location bridge rehab, Route 5/133 connector's embankment reconstruction at multiple stages and many other paving and bridge rehab projects along Route 5, 22, 91 and 405.	Jan 2016	Nov. 2023
3	Senior RE for construction of Laguna Beach box culvert replacement, the project was a combination of pre-cast and cast in place RC and was completed in record time six weeks.	Jan 2020	Sep 2020
4	Senior Resident Engineer in charge of Route 5 HOV Widening, the work included removal of a bridge in record time two shifts, construction of retaining walls, and widening the freeway to add two Fast Track HOV lanes. The project won a Gold Partnering Award.	Jan 2018	Dec 2019
5	Senior Resident Engineer for Route 5 and State Route 74 (Ortega highway) Interchange replacement. The work included construction of the new interchange at different stages. The new interchange is four feet higher than the existing interchange that caused many challenges along the way. Other challenging parts of the project included using GEOFoam material and Cellular lightweight Concrete to eliminate long term settlement. Providing inspection support 7 days a week day/night shift was very challenging. As the senior Resident Engineer in charge attended meetings with Orange County Transportation Authorities, Mayor of San Juan Capistrano and also City of San Juan Capistrano business community on a monthly basis and worked closely with PIO to address public concerns. also attended Mediatrion and Arbitration meetings. .	Nov 2012	Dec 2016

ADA Notice

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6	Senior Resident Engineer for construction of Emergency project, Work included construction of tieback wall along abutment wingwall to stop ground movement at Crown Valley Costco location.	Jan 2012	Feb 2013
7	Senior Resident Engineer for Route 5 Slab Replacement project. The work was done in coordination with the City of Mission Viejo, Laguna Hills, Laguna Niguel, Dana Point and San Juan Capistrano. The work took place during the night and included extensive road closure and use of COZEED. Project was completed within the schedule and budget.	Sep 2011	Dec 2012
8	Senior Resident Engineer for Route 5 and Alicia PKWY Ramp widening and reconstruction. The work included 55 hours of ramp closure over the weekend.	Sep 2011	Dec 2011
9	Acting Office Chief of Corridor Project Management, (Route 405 Design Build project over \$2 billion dollar project July- November 2020) Duties performed included managing and coordinating work of staff in Design, Construction and Program project management of Route 405 Design/Build improvement project. Responsible for project compliance on all legal issues, environmental guidelines, State and Federal law, policies regarding the expenditure of public funds and compliance with FHWA regulations	July 2020	Nov 2020
10	Senior Bridge Engineer Supervising a group of 12 engineers and detailers. Participated in interviewing and hiring personnel for the newly Office of Bridge Design- Southern California.	March 2002	Sep 2011
11	Acted as Office Chief for Office of Bridge Design South2 for two months, responsible for managing five bridge design branches with a total of about 70 employees	Jan 2010	March 2010
12	Structure Design Manager for Route 55/91 emergency project, preparing construction plans for three tieback walls to stabilize the landslide.	March 2003	April 2004
13	Structure Design Manager for seismic analysis and Retrofit Design of historical Laurel Street Bridge in San Diego.	01/01/2004	01/01/2006
14			
15	Structure Design Manager to deliver Structure PS&E for Imperial Highway/Orangethorpe Grade Separation in Orange County California.	March 2002	01/01/2004
16	Structure Design Manager for delivering three design sequencing projects along Route 15 in San Diego County. Prepared Structure PS&E for Bonsall Creek Widening in San Diego County.	01/01/2006	01/12/2008
17	Prepared Advanced Planning Study and technical provisions for ten bridges along route 405 in Los Angeles County for District 7(Design/Built project).	01/01/3007	01/12/2007
18	Prepared Advanced Planning Study for numerous bridges in San Diego County for District 11. Participated in interviewing consultants for on call contracts for District 11, San Diego.	01/01/2007	01/12/2007
19	Structure Design Manager for delivering structure PS&E for Brawley Bypass project in Imperial County for District 11. This project included 9 bridges.	01/01/2004	01/01/2006
20	Participated in Value Analysis meetings in District 7 and District 11. Participated in the consultant selection process to prepare PS&E.	01/01/2009	01/12/2009
21	Acted as senior Bridge Engineer for the Office of Structure Construction at University Field office in Orange County for a period of six months from November 2010 to June 2011. The work included managing staff of Structure Reps and inspectors responsible for construction of sound-walls, Retaining walls, Tieback walls and Bridge widening.	June 2010	Jan 2011
22	Structure Design Manager for Design of Route 5 and State Route 74 (Ortega highway) Interchange replacement.	Jan 2011	Aug 2011
23	Consultant work, Project Manager for seismic analysis of John Wayne Airport elevated roadways and bridge structures located in Orange County. Duties included managing the seismic analysis group and cooProject Engineer for seismic analysis and retrofit design of two highly skewed multi-span CIP reinforced concrete box girder bridges. Performed AS-Built and retrofit dynamic analysis using GT-STRUDL space frame computer modeling and Plane Frame Push-Over analysis. Presented a complete report identifying the deficiencies and recommending the corrective measuresrdinating all the activities with other consultants performing seismic analysis of parking structures and terminal structure	01/01/1998	01/01/1999
24	Consultant work, Route 15, San Bernardino County, California; Project Engineer for seismic analysis and retrofit design of three Steel Plate Girder Viaducts. Performed AS-Built and retrofit dynamic analysis using Plane Frame Push-Over analysis.	01/01/1996	01/01/1998
25	Consultant work, I-10/Pepper Avenue Interchange Improvements, San Bernardino CA; Project Engineer for widening the existing bridge structure	01/01/1998	01/12/1999
26	Consultant work, Route 30, segment 5 and 11, San Bernardino County, California; Structural bridge engineer for design and analysis of several CIP box girder highway bridges, retaining walls, and sound walls	01/01/1995	01/01/1996

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27	Consultant work, I-10/Monterey, Riverside County, California; Structural bridge engineer for design and analysis of a CIP box girder highway bridge, retaining walls, and sound walls.	01/01/1995	01/01/1997
28	Consultant work, Carmenita Road over Coyote Creek, Los Angeles, California, Structural bridge engineer for seismic analysis and retrofit design of a PC/PS girder bridge	01/01/1995	01/12/1995
29	Consultant work, Structural bridge engineer for I-5/22/57 Interchange, Santa Ana, California; Design supervisor in charge of analysis, design, and detailing of eight bridges ranging from 100 ft.-long bridge to 1200 ft.-long.	01/01/1990	01/01/1993
30	Consultant work, I-5 San Joaquin Hills Transportation Corridor Interchange, Orange County, California; Project engineer for advanced planning study of the I-5/Avery Parkway Overcrossing, a 740 ft.-long structure at I-5, Southern Pacific Railroad, Camino Capistrano, and Oso Creek.	01/01/1990	01/12/1990
31	Consultant work, Route 280, San Francisco, California; Project limits-25th street to 23rd street, Project engineer for the northern part of Southern Freeway Viaduct that was damaged due to the Loma Prieta earthquake. This portion of the viaduct is approximately 1200 ft. long and 125 ft. wide and consists of four frames	01/01/1992	01/12/1994
32	Consultant work, Route 280, San Francisco, California; Project limits- Evans street to 25th street, Lead engineer in modeling and analysis of a 26 bents viaduct that was damaged due to the Loma Prieta earthquake . This portion of the viaduct was approximately 2600 ft. long and 60 ft. wide. Performed dynamic analysis and investigated the design of existing intermediate hinges, abutments, columns, and foundations for three types of response spectra curves.	01/01/1992	1/122/94
33	Consultant work, Route 5/8 Interchange, San Diego, California; Performed seismic computer modeling, analysis, and prepared plans, estimate, and specification documents. The three levels interchange included eleven bridges ranging from 300 ft.-long to 1800 ft.-long connectors.	01/01/1992	01/01/1994
34	Consultant work, Route 280, San Francisco, California; Project limits-23rd street to the end of the viaduct; Project engineer in charge of independent check for this 1500 ft.-long, 180 ft. wide portion of the viaduct. Work included removing column outriggers, retrofitting bent caps, adding new columns, and footings, strengthening existing columns, retrofitting existing footing, and retrofitting intermediate hinges using restrainers unit and pipe seat extender	01/01/1992	01/12/1994
35	Consultant work, Route 805 Interchange, San Diego, California; Project engineer in charge of independent check for seismic retrofit of Direct Connection Overcrossing and Division 47th Undercrossing, and Connection Overcrossing.	01/01/1992	01/12/1992
36	Consultant work, in California and Arizona, Design Engineer for I-5/Main Street improvements in Santa Ana . Performed finite element analysis on a highly skewed curved structure. Project located in Orange County. Design engineer for several Prestressed Concrete box girder highway and railroad bridges for the Aviation Parkway project in the city of Tucson for the Arizona Department of Transportation. Design engineer for several Prestressed Concrete box girder highway bridges for East Papago Hohokam Interchange in the City of Phoenix for the Arizona Department of Transportation	01/01/1986	01/01/1990
37	Part time Professor at CALPOLY Pomona 2007 to 2019 teaching Reinforced Concrete Design, Concrete Mix Design, Steel Structure Design, and behavior of Steel Frame under dynamic loadings	01/01/2007	01/01/2019

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LICENSES

	License Title	License Number	Issued By	Issue Date	Expiration Date
1	PE Civil Engineering	California 047750	State of California	12/01/1991	12/01/2025

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CERTIFICATES

	Certificate Title	Certificate Number	Issued By	Issue Date	Expiration Date
1	DRB Training		Dispute Resolution Board Foundation	Nov 2024	
2	Project Management Certification		Parsons Brinkerhoff in house training	01/01/1998	

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EDUCATION

	Diploma/Degree/Certificate	Course of Study	University/College	Date Completed	Dates Attended (If diploma not awarded)
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1	MS Civil Engineering	Civil/Structure	North Dakota State University	01/01/1985	01/09/1980 - 01/01/1985
2	BS Civil Engineering	Civil	North Dakota State University	06/30/1982	-

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DRB/DRA TRAINING ATTENDED

	Training Title	Training Provider	Date(s) Attended
1	CALTRANS DRB/DRA CANDIDATE POOL TRAINING WORKSHOP	Dispute Resolution Board Foundation and California Department of Transportation	11/19/2024 - 11/21/2024

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PROFESSIONAL AFFILIATIONS

	Title	Organization Name	Your Role/Organization Description	Affiliation Dates
1				-

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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					-	<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					-	<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

12/08/2024