Global FRP Use for Bridge Applications: Vehicular

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Bridge Name	City	State / Prov	Date	L (ft)	W (ft)	deck	beam / column	rebar / grid	tendon / cable	panel	footing	sidewalk, guardrail, enclosures	Bridge piling	Bridge Fending Systems	tower	glulam	System Provider or FRP Manufacturer
ASIA / FAR EAST																	
Australia (1)																	
Toowoomba Bridge	Toowoomba		2002	33	18	X				X							Univ Southern Queensland
China (1)																	
Miyun Bridge	Beijing		1982	68	32		X										Chongquing Glass Fiber Product Factory
Japan (11)																	
Shinmiya Bridge	Ishikawa Prefecture		1988	20	23				X								Tokyo Rope
Bachigawa Minami Bridge	Fukuoka Prefecture		1989	118	40				X								Mitsubishi Chemical
Kitakyushu Bridge	N/A		1989	116	40				X								N/A
Sumitomo Demonstration Bridge (1)	Oyama Works	Tochigi Prefecture	1990	41	13				X								Teijin Ltd.
Sumitomo Demonstration Bridge (2)	Oyama Works	Tochigi Prefecture	1991	82	13				X								Teijin Ltd.
Hishinegawa Bridge, Hakui Kenmin Bicycle Route	Ishikawa Prefecture		1992	46	40				X								Tokyo Rope
Yamanaka Bridge	Tochigi Prefecture		1993	31	18				X								Shinko Wire Co., Ltd.
Sone Viaduct	Hyogo Prefecture		1995	N/A	N/A				X								Teijin Ltd.
Mukai Bridge	Ishikawa Prefecture		1995	49	47				X								Tokyo Rope
Shin-horikawa Bridge	Ishikawa Prefecture		1996	66	11			X									NEFMAC
Benten Bridge	Fukushima Prefecture		2002	197	10	X		X									NEFMAC
EUROPE																	
Austria (1)																	
Notsch Bridge	Notsch Karnten	Karnten	1990	144	39				X								Bayer AG
Bulgaria (1)																	
Ginzi Highway Bridge			1982	39	20		X										N/A
Germany (4)																	
Lunenschegasse Bridge	Dusseldorf		1980	21	20				X								Bayer AG
Ulenbergstrasse Bridge	Dusseldorf		1986	154	49				X								Bayer AG
Schiessbergstrasse Bridge	Leverkusen		1991	174	32				X								Bayer AG
Oststrasse Bridge	Ludwigshafen		1991	268	37				X								Tokyo Rope
The Netherlands (1)																	
Den Dungen Bridge	Den Dungen		2003	33	12	X	X										N/A
Switzerland (1)																	
Storchenbruke (Stork) Bridge	Winterthur		1996	406	20				X								BBR Ltd.
United Kingdon (6)																	
A19 Tees Viaduct deck enclosure	Middlesborough	England	1988	2870	60							X					Maunsell Structural Plastics
Bromley South Bridge	Kent		1992	689	138	X											Maunsell Structural Plastics
Bonds Mill Lift Bridge	Stroud, Gloucestershire	England	1994	27	14	X	X			X							GEC Reinforced Plastics
Second Severn Bridge-deck enclosures	Bristol	England	1996	90	30					X							GEC Reinforced Plastics
Rogiet Bridge Enclosure	Gwent		1996	N/A	N/A	X											Maunsell Structural Plastics
West Mill Bridge over River Cole	Shrivenham	Oxfordshire	2002	33	23	X	X								X		Fiberline Composites
NORTH AMERICA																	
Canada (13)																	
Beddenton Trail Bridge/Central Street	Calgary	Alberta	1993	138	50				X								Tokyo Rope Mfg. Ltd.
Crowchild Trail Bridge	Calgary	Alberta	1997	295	36			X				X					Marshall Industries Composites
Centre Street Bridge	Calgary	Alberta	2000	444	20			X									Autocon Composites
Waterloo Creek Bridge	Vancouver Island	British Columbia	1997	82	39			X				X					Autocon Composites
Taylor Bridge	Headlingley	Manitoba	1997	433	56			X	X								Tokyo Rope Mfg. Ltd.
Salmon River Bridge	Kemptown	Nova Scotia	1995	102	46			X				X					Autocon Composites

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Hall's Harbor Warf	Hall's Harbor	Nova Scotia	1999	131	16			X		X			X				**Pultrall, ADS Composites Group**
Chatham Bridge	Chatham	Ontario	1996	216	33			X				X					Autocon Composites
Mederick Martin Bridge	Laval	Quebec	1991	75	20							X					**Pultrall, ADS Composites Group**
Pike River Bridge	Montreal	Quebec	1997	30	20							X					**Pultrall, ADS Composites Group**
Joeffre Bridge	Sherbrooke	Quebec	1997	24	38			X									**Pultrall, ADS Composites Group**
Wotton Bridge	Wotton	Quebec	2001	100	26			X									**Pultrall, ADS Composites Group**
Magog Bridge	Magog	Quebec	2002	280	50			X									**Pultrall, ADS Composites Group**
USA (135)																	
Surles Road over Bedsole Creek	Crenshaw Cty	Alabama	2002	75	24											X	Structural Wood Systems
UCSD Road Test Panels	San Diego	California	1996	8	15	X											**Martin Marietta Composites**
Kings Stormwater Channel Bridge	Indio / Riverside County	California	2000	66	44	X											**Martin Marietta Composites**
Schuyler Heim Lift Bridge	Long Beach	California	2003	35	36	X											**Martin Marietta Composites**
Parker @I-225 Bridges	Denver	Colorado	2000	130	36			X	X								Marshall Industries Composites
I-225 & SH83 Interchange	Aurora	Colorado	2002	1345	42			X	X								**Hughes Bros., Inc.**
Magazine Ditch Bridge (Del Memorial Bridge)	New Castle	Delaware	1997	70	20	X											Hardcore Composites
Muddy River Route 896	Newark	Delaware	1998	32	26	X											Hardcore Composites
Greensbranch - Vehicular	Smyrna	Delaware	1999	21	12	X											Hardcore Composites
Mill Creek Bridge	Wilmington	Delaware	1999	39	17	X											Hardcore Composites
150052 SR 682	St Petersburg	Florida	2000	250	45								X				**Seaward International**
Seabreeze Bridge SR 430	Volusia County	Florida	2000	320	37			X					X				**Seaward International**
Moon River	Chatham County	Georgia	2000	1313	35								X				**Seaward International**
Skidaway Narrows	Chatham County	Georgia	2000	1008	35								X				**Seaward International**
INEEL Bridge	Idaho Falls	Idaho	1997	30	18	X	X										**Martin Marietta Composites**
South Fayette Street over Town Brook	Jacksonville	Illinios	2001	50	23	X											**Martin Marietta Composites**
53rd Ave Bridge (1)	Bettendorf	Iowa	2001	62	96			X									**Hughes Bros. Inc.**
53rd Ave Bridge (2)	Bettendorf	Iowa	2001	47	96	X											**Martin Marietta Composites**
Crow Creek Bridge	Bettendorf	Iowa	2001	47	98	X											**Martin Marietta Composites**
215 Ave over Lime Creek	Delaware County	Iowa	2001	75	N/A											X	N/A
Route 141 over Willow Creek	Guthrie County	Iowa	2001	210	26				X								Fiber Reinforced Systems Inc.
No-Name Creek Bridge	Russell	Kansas	1996	24	27	X											**Kansas Structural Composites, Inc.**
Crawford County Bridge #1 (Rt 126)	Pittsburgh	Kansas	1999	45	32	X											**Kansas Structural Composites, Inc.**
Crawford County Bridge #2 (Rt 126)	Pittsburgh	Kansas	1999	45	32	X											**Kansas Structural Composites, Inc.**
Kansas Detour Bridge #1	Kansas	Kansas	2003	60	30	X											**Kansas Structural Composites, Inc.**
Kansas Detour Bridge #2	Kansas	Kansas	2003	60	30	X											**Kansas Structural Composites, Inc.**
Roger's Creek (US 460)	Bourbon County	Kentucky	1997	39	36			X									Marshall Industries Composites
Two Mile Creek	Clark County	Kentucky	2001	64	26			X									Marshall Industries Composites
Summer Street	Boston	MA	2000	504	100								X				**Seaward International**
Medway Bridge	Medway	Maine	1997	54	30		X									X	Unadilla Laminated Products
Milbridge Bridge	Milbridge	Maine	1997	16	24				X								South Dakota School of Mines
West Seboeis Bridge	West Seboeis	Maine	1997	44	16		X									X	Strongwell, Inc.
Cloles Hill Rd, Rockland Branch RR Crossing	Waldoboro	Maine	1998	40	9												N/A

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East Dixfield Bridge	East Dixfield	Maine	2000	45	30		X									X	University of Maine
Milbridge Municipal Pier	Milbridge	Maine	2000	175	16	X										X	University of Maine
Skidmore Bridge	Washington - Union	Maine	2001	62	23	X											Kenway Corporation
Emory Brook Bridge	Fairfield	Maine	2003	72	35		X									X	**Gordon Composites**
Washington Schoolhouse Road	Cecil County	Maryland	1997	20	25	X											Hardcore Composites
Wheatley Road	Cecil County	Maryland	2000	34	24	X											Hardcore Composites
MD 24 over Deer Creek	Harford County	Maryland	2001	128	32	X											**Martin Marietta Composites**
Snouffer School Road	Montgomery County	Maryland	2001	29	33	X											Hardcore Composites
M-15 over Goodings Creek	Vassar	Michigan	2000	49	45			X									Teijin Ltd.
Bridge St Bridge over Rouge River	Southfield	Michigan	2001	198	30	X		X	X								Mitsubishi Chemical
Walker Street Bridge	Rolla	Missouri	1999	10	36			X									**Hughes Bros., Inc.**
St. Johns Street Bridge	St. James	Missouri	2000	27	26	X				X							**Kansas Structural Composites, Inc.**
Jay Street Bridge	St. James	Missouri	2000	27	26	X				X							**Kansas Structural Composites, Inc.**
St. Francis Street Bridge	St. James	Missouri	2000	26	28	X				X							**Kansas Structural Composites, Inc.**
Walters Street Bridge	St. James	Missouri	2001	24	26			X									Marshall Industries Composites
Rollinsford Bridge, Rollins Road over Main St and B&M	Rollinsford	New Hampshire	2000	100	32			X									Autocon Composites
Rt 248 over Bennett's Creek	West Union	New York	1998	25	33	X											Hardcore Composites
Rt 367 over Bentley Creek	Elmira	New York	1999	140	25	X											Hardcore Composites
Bayonne Bridge	New York	New York	1999	81	40			X									Marshall Industries Composites
Cayuta Creek Bridge	Van Etten	New York	2000	129	29	X											Hardcore Composites
SR 418 over Schroon River	Warrensburg	New York	2000	160	26	X											**Martin Marietta Composites**
South Broad Street Bridge	Wellsville	New York	2000	120	29	X											Hardcore Composites
Osceola Road over East Branch Salmon River (Rt 46)	Lewis County	New York	2001	36	26	X											**Martin Marietta Composites**
Triphammer Road over Conesus Outlet	Livingston County	New York	2001	41	33	X											Hardcore Composites
Rt 36 over Tributary to Troups Creek	Troupsbury	New York	2001	32	37	X											**Kansas Structural Composites, Inc.**
County Road 153	Washington County	New York	2002	54	27	X											Hardcore Composites
Wood Road Bridge over Cohocton River	Campbell	New York	2003	207	18		X										N/A
Whitestone Bridge Fairings	New York	New York	2003	7400	8							X					Hardcore Composites
Service Route 1627 over Mill Creek	Union County	North Carolina	2001	40	25	X											**Martin Marietta Composites**
Smith Creek Bridge	Hamilton / Butler County	Ohio	1997	33	24	X	X										**Martin Marietta Composites**
Shawnee Creek Bridge	Xenia	Ohio	1997	24	12	X											**Creative Pultrusions, Inc.**
SR 47 over Woodington Run	Darke County	Ohio	1999	50	46	X											**Martin Marietta Composites**
Salem Ave Bridge (1) (State Rt 49)	Dayton	Ohio	1999	168	50	X											**Creative Pultrusions, Inc.**
Salem Ave Bridge (2) (State Rt 49)	Dayton	Ohio	1999	168	50	X											Hardcore Composites
Salem Ave Bridge (3) (State Rt 49)	Dayton	Ohio	1999	58	50	X											Infrastructure Composites Int'l.
Salem Ave Bridge (4) (State Rt 49)	Dayton	Ohio	1999	965	50			X		X							**Diversified Composites**
Salem Ave Bridge (6) (State Rt 49)	Dayton	Ohio	1999	965	6			X									**Hughes Bros., Inc.**
Pierce St Bridge	Lima	Ohio	1999	167	46			X									Marshall Industries Composites
SR 705 over Mill Creek	Shelby County	Ohio	1999	118	37								X				Xerxes
Sintz Road Bridge	Clark County	Ohio	2000	62	30	X											Hardcore Composites
Salem Ave Bridge (5) (State Rt 49)	Dayton	Ohio	2000	110	50												Composite Deck Solutions

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Five Mile Road Bridge # 0171	Hamilton County	Ohio	2000	44	28	X											Hardcore Composites
Elliot Run (Highway 14 over Elliot Run)	Knox County	Ohio	2000	39	26	X											Hardcore Composites
Westbrook Road Bridge over Dry Run Creek	Montgomery County	Ohio	2000	34	33	X											Hardcore Composites
Shaffer Road Bridge	Ashtabula County	Ohio	2001	175	17	X											Hardcore Composites
Stelzer Road Bridge	Columbus	Ohio	2001	387	35	X											Fiber Reinforced Systems Inc.
Hebble Creek (Wright Patterson AFB)	Dayton	Ohio	2001	32	20					X							**Comptek Structural Composites**
Tyler Road over Bokes Creek	Delaware County	Ohio	2001	120	20	X											Fiber Reinforced Systems Inc.
Five Mile Road Bridge # 0087	Hamilton County	Ohio	2001	47	30	X											Hardcore Composites
Five Mile Road Bridge # 0071	Hamilton County	Ohio	2001	43	30	X											Hardcore Composites
Spaulding Road Bridge	Kettering	Ohio	2001	83	56	X											Hardcore Composites
Miles Road Bridge	Cayahoga County	Ohio	2002	45	40			X									**Martin Marietta Composites**
Fairgrounds Road Bridge	Greene County	Ohio	2002	228	32	X											**Martin Marietta Composites**
Cat's Creek Bridge	Washington County	Ohio	2002	81	24	X											**Martin Marietta Composites**
Hales Branch Road Bridge	Clinton County	Ohio	2003	65	24	X											**Martin Marietta Composites**
County Line Rd over Tiffin River	Defiance County	Ohio	2003	187	28	X											**Martin Marietta Composites**
Hotchkiss Road Bridge	Geauga County	Ohio	2003	65	28	X											**Martin Marietta Composites**
Hudson Road / Wolf Creek Bridge	Summit County	Ohio	2003	117	34	X											**Martin Marietta Composites**
Lewis & Clark Bridge (Warrenton - Astoria	Clatsop County	Oregon	2001	124	21	X											**Martin Marietta Composites**
Old Youngs Bay Bridge (Warrenton - Astoria	Clatsop County	Oregon	2002	176	21	X											**Martin Marietta Composites**
US 101 over Siuslaw River	Florence	Oregon	2003	154	28	X											N/A
Rowser Farm Bridge	Bedford County	Pennsylvania	1998	16	12	X											**Creative Pultrusion, Inc.**
Wilson's Bridge	Chester County	Pennsylvania	1998	65	16	X											Hardcore Composites
Walt Whitman Bridge	Philadelphia	Pennsylvania	1998	N/A	N/A			X									**Seaward International**
Laurel Run Road Bridge, Route 4003	Somerset County	Pennsylvania	1998	22	26	X											**Creative Pultrusion, Inc.**
SR 4012 over Slippery Rock Creek	Boyers	Pennsylvania	2001	42	26	X											**Martin Marietta Composites**
SR 1037 over Dubois Creek	Susquehanna County	Pennsylvania	2001	22	33	X											Hardcore Composites
T 565 over Dunning Creek	Bedford County	Pennsylvania	2002	91	22	X											**Martin Marietta Composites**
RT S655 over Norfolk-Southern RR	Spartanburg County	South Carolina	2001	60	37	X											**Martin Marietta Composites**
Access Road to Rapid City Cement Plant	Rapid City	South Dakota	1991	30	17				X								South Dakota School of Mines
Sierrita de la Cruz Creek Bridge	Amarillo	Texas	2000	160	45			X									**Hughes Bros., Inc.**
FM 3284 bridge	San Patricio county	Texas	2003	30	28		X										**MFG Construction Products, Inc.**
Route 100 over Ryder Brook (Bridge #213)	Morristown	Vermont	2002	144	34			X									**Pultrall, ADS Composites Group**
Tom's Creek Bridge	Blacksburg	Virginia	1997	18	22		X										Strongwell, Inc.
Troutville Weigh Station Ramp I-81 (1)	Troutville	Virginia	1999	15	20		X										Strongwell, Inc.
Troutville Weigh Station Ramp I-81 (2)	Troutville	Virginia	1999	20	20	X											**Creative Pultrusions, Inc.**
Route 601 (Dicky Creek Bridge)	Sugar Grove	Virginia	2001	38	30		X										Strongwell, Inc.
Route 250 Broad Street River over Tuckahoe Creek	N/A	Virginia	2001	N/A	N/A			X									N/A
Loghthouse Bridge	Clallam Bay	Washington	1995	161	32											X	American Wood Laminators
Upper Salt Creek Bridge	Clallam Bay	Washington	1997	103	38											X	American Wood Laminators
Chief Joseph Dam Bridge	Bridgeport	Washington	2003	298	32	X											N/A
Buffalo Creek Bridge	McKinleyville	West Virginia	1996	177	30			X									Marshall Industries Composites

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Wickwire Run Bridge	Grafton / Taylor County	West Virginia	1997	30	22	X											**Creative Pultrusions, Inc.**
Laurel Lick Bridge	Lewis County	West Virginia	1997	20	16	X	X				X						**Creative Pultrusions, Inc.**
South Acme Bridge	Charleston	West Virginia	2000	24	30			X									**Hughes Bros., Inc.**
Dans Run Slab Bridge	Mineral County	West Virginia	2000	12	14			X									N/A
Market Street Bridge	Wheeling	West Virginia	2000	190	56	X											**Creative Pultrusion, Inc.**
North Acme Bridge	Charleston	West Virginia	2001	24	30			X									**Hughes Bros., Inc.**
North Kayford Bridge	Charleston	West Virginia	2001	24	36			X									**Hughes Bros., Inc.**
Montrose Bridge	Elkins	West Virginia	2001	39	28	X											Hardcore Composites
West Buckeye Bridge	Morgantown	West Virginia	2001	148	36	X				X							**Kansas Structural Composites, Inc.**
Hanover Bridge	Pendleton County	West Virginia	2001	120	28	X				X							**Kansas Structural Composites, Inc.**
Boy Scout Bridge	Princeton	West Virginia	2001	31	26	X											Hardcore Composites
Katty Truss Bridge	Bridgeport	West Virginia	2002	90	14	X											**Creative Pultrusions, Inc.**
Martha Queen's Bridge	Lewis County	West Virginia	2002	50	30			X									Marshall Industries Composites
Howell's Mill Bridge	Cabell County	West Virginia	2003	245	33	X											**Martin Marietta Composites**
Goat Farm Bridge	Jackson County	West Virginia	2003	40	15	X											**Kansas Structural Composites, Inc.**
Kite Creek Bridge	Monroe County	West Virginia	2003	35	24			X									N/A
La Chein Bridge	Monroe County	West Virginia	2003	32	24	X											Bedford Reinforced Plastics
Milwaukee 6th Project	Milwaukee	Wisconsin	2002	530	10							X					RL Industries
US 151 over SH 26	Fond de Lac	Wisconsin	2003	107	43	X		X		X							**Hughes Bros., Inc.**
US 151 over SH 26	Fond de Lac	Wisconsin	2003	214	39	X		X									**Diversified Composites**

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