Region 4 Major Structure Asset Management Plan

Status Date: 6/19/2015

TSIOUVARAS SIMMONS HOLDERNESS CONSULTING ENGINEERS

COLORADO Department of Transportation

Project Information							Structure Information																				Scope and Prioritization					Funding		
																			NBI Rating													FY2015		
	Project Type	Project SA	Project Number Project Description	Resident Engineer	Designer	Ad Date	Structure	Year Built	NHS	Route Carried	Feature Intersected	Ref Point	Latitude	Longitude	County	ADT	% Truck Traffic	Structure Type	Deck	Super	Sub	Sufficiency Rating	Functional Status	Deck Area	Years Life Added	BPM Eligible (Deck/Joint)	Scour Critical	Essential Repair	Repair Priority	Bridge Repairs	Repair	Scour	BPM
																														Sub Total	$2,138,000	$0	$9,150,000
																														Total	$11,288,000		
																														Budget	$8,400,790		
																														% of Budget	134%		
2015	Repair	20866	US 36 Bridge Replacement	Brette Locke	Staff Bridge	Jul-17	F-22-E	1938		036D	DRAW	140.081	39.740	-103.508	WASHINGTON	550	33%	TTS	6	4	5	60.9	SD	4724					4		$613,000		
							F-23-F	1938		036D	DRAW	140.889	39.740	-103.493	WASHINGTON	550	33%	TTS	6	4	6	54.1	SD	2710					1		$352,000		
	Surface Treatment	19163	Overlay SH392B Windsor to Lucerne. MP 105.44 to 115.4	Robin Stoneman	Staff Bridge	Feb-15	C-17-EZ	1971	NHS	392B	GREELEY CANAL NO 2	106.560	40.480	-104.867	WELD	7700	6%	CSGP	8	7	8	95.2		3606					0				
							C-17-BD	2003	NHS	392B	GREELEY CANAL NO 2	109.647	40.481	-104.809	WELD	6700	9%	CPG	8	8	8	98		1995					0				
							C-18-S	1955	NHS	392B	GREELEY CANAL NO 2	114.241	40.481	-104.722	WELD	4700	12%	CSG	6	7	6	66.7		896	20	Deck			0	Wingwalls	$30,000		$20,000
							C-18-Q	1969	NHS	392B	GREELEY CANAL NO 2	113.413	40.481	-104.738	WELD	4700	12%	CIK	7	7	7	94.2		2331					0	Riprap	$16,000		$33,000
							C-18-AD	1969	NHS	392B	GREELEY CANAL NO 2	114.678	40.481	-104.714	WELD	4700	12%	CIK	7	7	7	94.2		1421	20	Deck			0	Paint Girders	$38,000		$20,000
		19029	I70 Siebert - East MP 402.3 to 418.3	Travis Miller	TSH/ Wilson	Jan-15	G-26-T	1970	NHS	070A	SPRING CREEK	411.614	39.294	-102.747	KIT CARSON	6250	29%	CSG	7	6	6	95.1		5929					0	Substructure Repair	$28,000		$152,000
							G-26-B	1964	NHS	070A	SPRING CREEK	411.615	39.294	-102.747	KIT CARSON	6250	29%	CSG	6	7	6	90.1		5687	15	Joints	Low		1	Patching + Corbel	$50,000		$109,000
							G-26-U	1970	NHS	070A	EAST SPRING CREEK	416.541	39.293	-102.655	KIT CARSON	6150	29%	CSG	5	5	5	85.5		8736	15	Both			4	Patching + Corbel	$583,000		$397,000
							G-26-S	1965	NHS	070A	EAST SPRING CREEK	416.542	39.294	-102.655	KIT CARSON	6150	29%	CSG	6	5	5	83.8		7903	15	Joints			0				$120,000
		20098	Overlay US287C 29th St to SH 392 MP 335.23 to 339.17	Lou Keen	Muller	Sum-15	C-16-K	1924	NHS	287C	LOUDEN CANAL	337.246	40.453	-105.077	LARIMER	25400	3%	CBC	N	N	N	77.4		0					0				
		20099	Overlay US287C Harmony to Mulberry MP 342.2 to 346.26	Lou Keen	Muller	Mar-15	B-16-H	1948	NHS	287C	SPRING CREEK	344.795	40.562	-105.077	LARIMER	38800	3%	CI	7	7	6	80.1		3225	20	Deck			2	Patching + paint girders	$428,000		
							B-16-G	1948	NHS	287C	LARIMER COUNTY CANAL	343.411	40.542	-105.077	LARIMER	39900	3%	CS	6	6	6	75.9		1678	20	Deck			0				$99,000
							B-16-F	1948	NHS	287C	LARIMER COUNTY CANAL	343.235	40.540	-105.077	LARIMER	39900	3%	CS	6	6	7	78.7		2267	20	Deck			0				$49,000
							B-16-E	1948	NHS	287C	LARIMER COUNTY CANAL	343.067	40.538	-105.077	LARIMER	39900	3%	CS	6	6	6	76.6		2267	20	Deck			0				$49,000
	BPM	19916	Package 2 BPM	James Flohr	TSH/ Wilson	Apr-15	B-16-EW	1966	NHS	014C	I 25 ML	138.938	40.581	-105.001	LARIMER	14250	5%	CSGC	4	5	6	60.7	SD	9995	20	Deck			1				
							B-16-EX	1966	NHS	014C	I 25 ML	138.939	40.581	-105.001	LARIMER	14250	5%	CSGC	5	5	5	62.9	FO	9991	15	Both			0				
							D-17-CZ	1961	NHS	025A	COUNTY ROAD 32	244.143	40.219	-104.980	WELD	31800	10%	CSG	7	7	6	89.7	FO	3551	15	Both			1				
							D-17-CY	1961	NHS	025A	COUNTY ROAD 32	244.144	40.219	-104.980	WELD	31800	10%	CSG	6	6	6	89.7	FO	3551	15	Both			1				
							C-17-N	1961	NHS	025A	LITTLE THOMPSON RIVER	249.788	40.301	-104.980	WELD	32200	10%	CSG	6	6	6	93.3		6435	15	Both			0				
							C-17-A	1961	NHS	025A	LITTLE THOMPSON RIVER	249.789	40.301	-104.980	WELD	32200	10%	CSG	6	6	6	93.3		6435	15	Both			0				
							C-17-DY	1961	NHS	025A	COUNTY ROAD 46	251.182	40.321	-104.980	WELD	30900	10%	CSG	7	7	6	91.8		3779	20	Deck			1				
							C-17-DH	1962	NHS	025A	COUNTY ROAD 46	251.183	40.321	-104.980	WELD	30900	10%	CSG	6	7	6	89.7	FO	3779	20	Deck			1				$5,441,000
							C-17-BQ	1962	NHS	025A	SH 60 ML	253.133	40.349	-104.981	WELD	34150	10%	CSGC	7	7	7	94.2		4140	20	Deck			0				
							C-17-BR	1962	NHS	025A	SH 60 ML	253.134	40.349	-104.981	WELD	34150	10%	CSGC	6	6	6	91.7	FO	4140	20	Deck			0				
							C-17-EI	1962	NHS	025A	COUNTY ROAD 16	254.162	40.364	-104.986	LARIMER	34150	10%	CSG	7	6	6	92.1	FO	3790	15	Both			0				
							C-17-EE	1962	NHS	025A	COUNTY ROAD 16	254.163	40.364	-104.986	LARIMER	34150	10%	CSG	6	6	6	92.1	FO	3790	20	Deck			0				
							C-17-DD	1962	NHS	025A	SH 402 ML	255.217	40.378	-104.993	LARIMER	32550	10%	CSGC	6	7	7	96.5		4998	15	Both			0				
							C-17-DG	1962	NHS	025A	SH 402 ML	255.218	40.378	-104.993	LARIMER	32550	10%	CSGC	6	7	7	92.4		4994	20	Deck			0				
							C-17-BM	1962	NHS	025A	BIG THOMPSON RIVER	256.548	40.397	-104.993	LARIMER	33600	10%	CSGC	6	7	7	93.8		6361	22	Deck			0				
							C-17-BL	1962	NHS	025A	BIG THOMPSON RIVER	256.549	40.397	-104.993	LARIMER	33600	10%	CSGC	6	6	7	93.8		6361	21	Deck	Medium		1				
		19918	Package 4 BPM	Dan Marcucci	TSH/ Wilson	Jan-15	B-16-FX	1987	NHS	287C	LARIMER COUNTY CANAL	352.153	40.645	-105.135	LARIMER	7500	14%	CBGP	7	8	7	88.3		3819	20	Deck			0				
							D-16-DF	1988	NHS	157A	SH 119 ML	3.730	40.038	-105.245	BOULDER	39700	3%	CPGC	6	8	7	89.8	FO	13898	15	Both		y	2				
							D-16-DJ	1988	NHS	157A	FOUR MILE CANYON CREEK	4.292	40.046	-105.241	BOULDER	21350	3%	CBGC	6	8	7	99		5013	15	Both			0				$2,661,000
							D-16-DK	1988	NHS	157A	FOUR MILE CANYON CREEK	4.293	40.046	-105.240	BOULDER	21350	3%	CBGC	6	8	7	97		6078	15	Both			0				
							E-16-PN	1996	NHS	287C	COAL CREEK	302.585	39.980	-105.098	BOULDER	28000	5%	CPGC	7	8	8	98.7		10711	20	Deck			1.5				

Region 4 Major Structure Asset Management Plan

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COLORADO Department of Transportation

Project Information							Structure Information																				Scope and Prioritization					Funding		
																			NBI Rating													FY2016		
Project Type	Project SA	Project Number Project Description	Resident Engineer	Designer	Ad Date	Structure	Year Built	NHS	Route Carried	Feature Intersected	Ref Point	Latitude	Longitude	County	ADT	% Truck Traffic	Structure Type	Deck	Super	Sub	Sufficiency Rating	Functional Status	Deck Area	Years Life Added	BPM Eligible (Deck/Joint)	Scour Critical	Essential Repair	Repair Priority	Bridge Repairs	Repair	Scour	BPM
																													Sub Total	$8,222,000	$697,000	$391,000
																													Total	$9,310,000		
																													Budget	$6,636,063		
																													% of Budget	140%		
2016	Ess. Repair	20830	GWRR Over I25	James Flohr	Staff Bridge	Jun-15	C-17-EJ	1962	NHS	025A	GW RR	256.803	40.400	104.993	LARIMER	64300	13%	WG	7	7	7	NA		2939.5							$150,000		
2016	Ess. Repair	16756	I-70 Deer Trail East MP 329.6 to MP 339.6	Travis Miller		May-15	G-21-Y	1958		070O	I 70 ML	0.497	39.462	-103.937	ELBERT	1140	8%	CSGC	4	6	6	63.2	SD	5519.95		Deck		y	1	Bridge Rail	$265,000		$214,000
2016	Repair	16756	I-70 Deer Trail East MP 329.6 to MP 339.6	Travis Miller	TSH/ Wilson	May-15	F-20-BE	1965	NHS	070A	US 40 ML, DITCH	329.665	39.595	-104.033	ARAPAHOE	5400	30%	CSG	5	6	5	83.7		5327	15	Both			1	Deck	$290,000		
2016	Repair	16756	I-70 Deer Trail East MP 329.6 to MP 339.6	Travis Miller	TSH/ Wilson	May-15	F-20-BF	1965	NHS	070A	US 40 ML, DITCH	329.666	39.595	-104.033	ARAPAHOE	5400	30%	CSG	4	5	4	65.6	SD	4044	20	Deck			3	Deck	$623,000		
2016	Repair	16756	I-70 Deer Trail East MP 329.6 to MP 339.6	Travis Miller	TSH/ Wilson	May-15	F-20-BQ	1966	NHS	070A	COUNTY ROAD 190, DRAW	333.241	39.549	-104.002	ELBERT	5400	30%	CSG	4	4	4	63	SD	5527	20	Deck			8	Deck	$702,000		
2016	Repair	16756	I-70 Deer Trail East MP 329.6 to MP 339.6	Travis Miller	TSH/ Wilson	May-15	F-20-BR	1966	NHS	070A	COUNTY ROAD 190, DRAW	333.240	39.549	-104.003	ELBERT	5400	30%	CSG	4	4	6	65	SD	5527	15	Both			6	Deck	$612,000		
2016	Repair	16756	I-70 Deer Trail East MP 329.6 to MP 339.6	Travis Miller	TSH/ Wilson	May-15	F-21-S	1966	NHS	070A	COUNTY ROAD 178	336.716	39.505	-103.972	ELBERT	5400	30%	CSG	3	4	5	61	SD	3830	20	Deck			8	Deck	$1,123,000		
2016	Repair	16756	I-70 Deer Trail East MP 329.6 to MP 339.6	Travis Miller	TSH/ Wilson	May-15	F-21-T	1966	NHS	070A	COUNTY ROAD 178	336.715	39.506	-103.972	ELBERT	5400	30%	CSG	3	4	5	61	SD	3831	20	Deck			6.7	Deck	$1,134,000		
2016	Repair	16756	I-70 Deer Trail East MP 329.6 to MP 339.6	Travis Miller	TSH/ Wilson	May-15	G-21-R	1958	NHS	070A	Tributary of Agate Creek	339.611	39.471	-103.942	ELBERT	5400	30%	CSG	7	6	5	80.7		4706	15	Joints			0		$201,000		
2016	Repair	16756	I-70 Deer Trail East MP 329.6 to MP 339.6	Travis Miller	TSH/ Wilson	May-15	G-21-AM	1968	NHS	070A	TRIBUTARY AGATE CK	339.613	39.471	-103.942	ELBERT	5400	30%	CSG	7	6	4	70.6	SD	4712					2	Deck	$207,000		
2016	Repair	20768	SH138 - Lodgepole Creek - Ovid	Brett Locke	M&S	TBD	A-27-N	1930		138A	LODGEPOLE CREEK	50.758	40.961	-102.385	SEDGWICK	1200	6%	TTD	5	6	6	82.5				Deck	Medium	o	1		$150,000		
2016	Repair	20263	I-70 Kit Carson County MP 442.1 to 448.2	Travis Miller	TSH/ Wilson	Oct-15	G-28-J	1969	NHS	070A	COUNTY ROAD 57	446.123	39.324	-102.110	KIT CARSON	4150	28%	CSGC	7	8	7	93.4	FO	3594	15	Joints			2	Deck	$771,000		
2016	Repair	20263	I-70 Kit Carson County MP 442.1 to 448.2	Travis Miller	TSH/ Wilson	Oct-15	G-28-N	1969	NHS	070A	COUNTY ROAD 57	446.124	39.324	-102.110	KIT CARSON	4150	28%	CSGC	5	6	7	94.4		3619	15	Both			2	Deck	$197,000		
2016	Repair	20263	I-70 Kit Carson County MP 442.1 to 448.2	Travis Miller	TSH/ Wilson	Oct-15	G-28-I	1969	NHS	070A	COUNTY ROAD 59	448.201	39.328	-102.072	KIT CARSON	4150	28%	CSGC	7	8	8	93.1	FO	3594	15	Joints			1.667	Deck	$521,000		
2016	Repair	20263	I-70 Kit Carson County MP 442.1 to 448.2	Travis Miller	TSH/ Wilson	Oct-15	G-28-H	1969	NHS	070A	COUNTY ROAD 59	448.202	39.329	-102.072	KIT CARSON	4150	28%	CSGC	6	8	8	95.1		3609	15	Joints			2	Deck	$615,000		
2016	Surface Treatment	18284	Overlay I-76A Hillrose to Atwood MP 101.5 to 115	Brett Locke	Staff Bridge	TBD	C-23-AR	1964	NHS	076A	COUNTY ROAD Q	102.064	40.361	-103.426	WASHINGTON	4600	21%	CSG	6	6	6	92.2		4462	15	Joints			0				
2016	Surface Treatment	18284	Overlay I-76A Hillrose to Atwood MP 101.5 to 115	Brett Locke	Staff Bridge	TBD	C-23-AQ	1964	NHS	076A	COUNTY ROAD Q	102.065	40.360	-103.426	WASHINGTON	4600	21%	CSG	5	6	6	93.4		4454	15	Joints			0				
2016	Surface Treatment	18284	Overlay I-76A Hillrose to Atwood MP 101.5 to 115	Brett Locke	Staff Bridge	TBD	C-23-F	1964	NHS	076A	TWENTY TWO SLOUGH	110.661	40.447	-103.311	LOGAN	4600	21%	CSG	4	5	6	83.1	SD	2744	20	Deck			2		$258,000		
2016	Surface Treatment	18284	Overlay I-76A Hillrose to Atwood MP 101.5 to 115	Brett Locke	Staff Bridge	TBD	C-23-E	1964	NHS	076A	TWENTY TWO SLOUGH	110.662	40.447	-103.310	LOGAN	4600	21%	CSG	4	5	6	83.1	SD	2778					0		$334,000		
2016	Surface Treatment	20365	Overlay US85C Brighton to Fort Lupton NB MP 236.0 to 242.7	Lou Keen	Staff Bridge	TBD	D-17-DE	1974	NHS	085C	SH 52 ML	241.533	40.080	-104.820	WELD	24300	8%	CBGP	7	7	7	100		12345					0	Patch Girder	$25,000		
2016	Surface Treatment	TBD	US287C Harmony to Mulberry (Scour Protection)	Steve Griffin	Ft. Collins	Mar-15	B-16-H	1948	NHS	287C	SPRING CREEK	344.795	40.562	-105.077	LARIMER	38800	3%	CI	7	7	6	80.1		3225			High		2	Scour Protection		$697,000	
2016	Surface Treatment	18760	Overlay SH7A Estes Park South MP 0 to 15	James Flohr	Muller	Mar-15	D-14-I	1973		007A	NORTH ST VRAIN CREEK	12.972	40.219	-105.528	BOULDER	1900		CSGC	5	7	7	91.9		5757		Deck			0				$177,000
2016	Surface Treatment	20748	Overlay SH 392 East of Lucerne MP 115.4 to 126	Robin Stoneman	Staff Bridge	Dec-15	C-18-BR	1965		392B	GREELEY CANAL NO 2	115.537	40.481	-104.697	WELD	4100	14%	CBC	N	N	N	95.4		915					0	Replace Headwall	$24,000		
2016	Surface Treatment	20748	Overlay SH 392 East of Lucerne MP 115.4 to 126	Robin Stoneman	Staff Bridge	Dec-15	C-18-EN	1965		392B	GREELEY CANAL NO 2	121.759	40.479	-104.581	WELD	1800	12%	CBC	N	N	N	96.7		0					0	Replace Headwall	$20,000		
2016	Surface Treatment	20748	Overlay SH 392 East of Lucerne MP 115.4 to 126	Robin Stoneman	Staff Bridge	Dec-15	C-18-AZ	1965		392B	LONE TREE CREEK	121.030	40.479	-104.594	WELD	3200	9%	CBC	N	N	N	96.5		0					0				
2016	Surface Treatment	19724	SH 56: Berthoud East MP 4.58 to 9.38	James Flohr	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

Region 4 Major Structure Asset Management Plan

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COLORADO Department of Transportation

Project Information							Structure Information																					Scope and Prioritization					Funding		
	Project Type	Project SA	Project Number Project Description	Resident Engineer	Designer	Ad Date	Structure	Year Built	NHS	Route Carried	Feature Intersected	Ref Point	Latitude	Longitude	County	ADT	% Truck Traffic	Structure Type	NBI Rating Deck	NBI Rating Super	NBI Rating Sub	Sufficiency Rating	Functional Status	Deck Area	Years Life Added	BPM Eligible (Deck/Joint)	Scour Critical	Essential Repair	Repair Priority	Bridge Repairs	FY2017 Repair	FY2017 Scour	FY2017 BPM
																														Sub Total	$7,373,000	$4,280,000	$670,000
																														Total	$12,323,000		
																														Budget	$6,161,585		
																														% of Budget	200%		
2017	Ess. Repair	20853	SH 71 South of Limon Structure Repair	Travis Miller	Staff Bridge	TBD	H-22-B	1957		071C	LONG CREEK	89.867	39.100	-103.703	LINCOLN	530	20%	CBC	N	N	N	96.6						g	1	Bridge/Guardrail	$210,000		
							I-22-O	1961		071C	DRAINAGE DITCH	66.587	38.765	-103.700	LINCOLN	530	120%	CSC	7	7	7	91.9				Deck	Low		1		$0		
	Repair						H-22-A	1957		071C	NORTH RUSH CREEK	87.020	39.061	-103.703	LINCOLN	530		CSG	5	5	4	57.4	SD	5077					1		$480,000		
		20263	I-70 Kit Carson County MP 442.1 to 448.2	Travis Miller	TSH/ Wilson	Dec-15	G-28-K	1969	NHS	070A	COUNTY ROAD 53	442.077	39.316	-102.185	KIT CARSON	4150	28%	CSGC	7	8	7	93.1	FO	3594	15	Joints			0	Deck	$560,000		
							G-28-L	1969	NHS	070A	COUNTY ROAD 53	442.078	39.316	-102.185	KIT CARSON	4150	28%	CSGC	6	7	7	95.1		3619	15	Joints			0	Deck	$560,000		
							G-28-M	1969	NHS	070A	COUNTY ROAD 55	444.101	39.319	-102.148	KIT CARSON	4150	28%	CSGC	7	8	7	93.3	FO	3594	15				2	Deck	$613,000		
							G-28-O	1969	NHS	070A	COUNTY ROAD 55	444.102	39.320	-102.148	KIT CARSON	4150	28%	CSGC	6	6	7	95.3		3658	15	Joints			2	Deck	$636,000		
		20871	SH 6 Bridge Work Sterling East	Brett Locke	TSH	TBD	B-24-D	1957		006J	SOUTH PLATTE RIVER	405.645	40.618	-103.186	LOGAN	8800	16%	CSGC	6	7	7	69.8		32682	15	Both			0		$1,157,000		
							B-24-P	1957		006J	SOUTH PLATTE RIVER	405.547	40.619	-103.189	LOGAN	8800	16%	CSGC	6	6	7	69.8		11014	15	Both			0		$416,000		
							B-24-O	1957		006J	SOUTH PLATTE RIVER	405.441	40.619	-103.190	LOGAN	8800	16%	CSGC	6	6	7	69.8		27289	15	Both			0		$972,000		
		20862	SH 113 Structure Replacement	Brett Locke	M&S	TBD	A-24-L	1937		113A	DRAW	11.518	40.900	-103.115	LOGAN	1400		TTS	5	6	6	85.1		1372			Medium		1		$200,000		
		20943	Boulder Scour Package	Dan Marcucci	RESPEC	Oct-16	D-15-AQ	1938	NHS	007C	BOULDER CREEK	53.198	40.015	-105.245	BOULDER	15500	4%	CI	4	5	6	57.5	SD	4241	15	Both	High		2			$527,000	
							D-15-B	1957	NHS	036B	FOUR MILE CANYON CREEK	34.314	40.046	-105.259	BOULDER	16600	3%	CSG	7	6	6	69	FO	2789	20	Deck	Medium		1			$823,000	
							D-15-AX	1960	NHS	036B	BOULDER CREEK	36.772	40.011	-105.259	BOULDER	21700	3%	CIC	7	5	6	83.2		3443			Medium		1			$357,000	
							D-15-AR	1952	NHS	036B	BOULDER CREEK	36.773	40.011	-105.259	BOULDER	21700	3%	CIC	7	5	6	68.2		2891	20	Deck	Medium		1			$357,000	
							D-16-DA	1985	NHS	287C	BOULDER CREEK	308.338	40.059	-105.103	BOULDER	22900	4%	CPGC	7	8	6	98.9		18568			High		2			$1,266,000	
		20768	SH 138 - Lodgepole Creek - Ovid	Brett Locke	M&S	TBD	A-27-N	1930		138A	LODGEPOLE CREEK	50.758	40.961	-102.385	SEDGWICK	1200	6%	TTD	5	6	6	82.5		832	75		Medium		1		$1,000,000		
		20865	US34 Republican River Bridges	Brett Locke	Staff Bridge	July-18	D-28-S	1954	NHS	034B	REPUBLICAN RIVER	248.859	40.078	-102.247	YUMA	4900		TTS	5	4	6	66.1	SD	3738					1		$175,000		
							D-28-P	1954	NHS	034B	REPUBLICAN RIVER	249.658	40.079	-102.232	YUMA	4900		TTS	5	4	6	68.7	SD	4478					3		$175,000		
		TBD	Standalone Scour Package	Robin Stoneman	RESPEC	TBD	C-17-F	1942	NHS	025A	BIG THOMPSON RIVER SR	256.615	40.398	-104.993	LARIMER	631		CI	6	6	6	94.9		3628			High		1			$500,000	
	Surface Treatment	TBD	Overlay US34D 85 East to 34A. MP 11.9 to 14.71	Lou Keen	TSH	TBD	C-18-J	1961		034D	SOUTH PLATTE RIVER	14.109	40.397	-104.639	WELD	1600		CPG	5	4	4	58.9	SD	24548	15	Joints			3				$609,000
		20586	Resurfacing SH60 US287 to Miliken MP 0 to 14	Chris Boespflug	TSH	Oct-17	C-17-BB	1962		060B	I 25 ML	6.000	40.336	-104.980	WELD	9400	2%	CSGC	7	7	8	79.2		5823					0				
							C-17-BA	1957		060B	HILLSBORO DITCH	9.543	40.335	-104.911	WELD	8400	3%	CBC	N	N	N	95.7		1023					0				
							C-17-C	1958		060B	LITTLE THOMPSON RIVER	11.662	40.333	-104.871	WELD	6900	4%	CSG	6	7	6	70.3	FO	2819	20	Deck	High		1	Replacement		$450,000	$61,000
							C-17-M	1958		060B	DRAW	11.836	40.332	-104.867	WELD	6900	4%	CBC	N	N	N	96.7		0					0				
		20113	Overlay US287C Jasper Rd. North MP 307.9 to 309.2	Dan Marcucci	TSH	Jan-16	D-16-DA	1985	NHS	287C	BOULDER CREEK	308.338	40.059	-105.103	BOULDER	22900	4%	CPGC	7	8	6	98.9		18568			High		2	Substructure Repair	$135,000		
		19723	Overlay US24G El Paso CL East Part 1 MP 356.7 TO 364.6	Travis Miller	TSH	Mar-17	H-20-CS	1985	NHS	024G	DRAW	358.823	39.168	-103.991	ELBERT	2400		CMP	N	N	N	98.7		0					0				
							H-21-AE	1984	NHS	024G	DRAW	360.968	39.172	-103.965	ELBERT	2200		CMP	N	N	N	98.3		0					0				
							H-21-AF	1985	NHS	024G	SANDY CREEK	361.653	39.172	-103.951	ELBERT	2200		CBC	N	N	N	98.3		0					0				
							H-21-A	1933	NHS	024G	DRAW	361.823	39.172	-103.947	ELBERT	2200		CBC	N	N	N	98.3		915					0				
							H-21-AD	1983	NHS	024G	DRAW	363.524	39.172	-103.918	ELBERT	2200		CBC	N	N	N	98.3		0					0				
							H-21-C	1934	NHS	024G	DRAW	364.131	39.173	-103.907	ELBERT	2200		CBC	N	N	N	98.3		0					0				
							H-21-D	1934	NHS	024G	DRAW	364.322	39.173	-103.899	ELBERT	2200		CBC	N	N	N	98.3		1394					0				
		20978	Overlay SH119A Nederland East MP 22.7 to 39	Dan Marcucci		May-16	E-14-AR	1933		119A	MIDDLE BOULDER CREEK	25.678	39.962	-105.511	BOULDER	8300		CBC	N	N	N	73.7		0					0				
							E-14-R	1948		119A	NORTH BEAVER CREEK	25.801	39.963	-105.510	BOULDER	4200		CBC	N	N	N	95		828					0				
							D-15-AI	1948		119A	NORTH BOULDER CREEK	33.235	40.005	-105.406	BOULDER	3500		CAC	N	N	N	96.2		0					0				
		20748	Overlay 392B Briggsdale South MP 126 to 141.8	Robin Stoneman			B-19-K	1991		392B	CROW CREEK	137.448	40.581	-104.339	WELD	1300	34%	CBGC	8	8	7	90.4		4511					0	0-4" Exp. Dev.	$84,000		
		NA	Overlay SH7E Allenspark MP 0 to 1.6	-		NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
		NA	Overlay 23A Holyoke to Beb. S.L. MP 0 to 17.51	-		NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
		20655	Overlay US85 Resurfacing MP 240.6 to 245.69	-		NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								

Region 4 Major Structure Asset Management Plan

Status Date: 6/19/2015

TSIOUVARAS SIMMONS HOLDERNESS CONSULTING ENGINEERS

COLORADO Department of Transportation

Project Information							Structure Information																				Scope and Prioritization					Funding		
Project Type	Project SA	Project Number Project Description	Resident Engineer	Designer	Ad Date	Structure	Year Built	NHS	Route Carried	Feature Intersected	Ref Point	Latitude	Longitude	County	ADT	% Truck Traffic	Structure Type	NBI Rating Deck	NBI Rating Super	NBI Rating Sub	Sufficiency Rating	Functional Status	Deck Area	Years Life Added	BPM Eligible (Deck/Joint)	Scour Critical	Essential Repair	Repair Priority	Bridge Repairs	FY2018 Repair	FY2018 Scour	FY2018 BPM
																													Sub Total	$10,345,000	$881,000	$2,241,000
																													Total	$13,467,000		
																													Budget	$4,320,513		
																													% of Budget	312%		
2018 Repair	20861	R4 Eastern Scour Package	Brett Locke	RESPEC	TBD	C-26-A	1948		059B	COYOTE CREEK	128.560	40.395	-102.665	YUMA	220		TTM	5	4	6	62.4	SD	4065			Medium	o	2			$256,000	
						B-26-E	1948		059B	SIX MILE CREEK	141.585	40.557	-102.627	PHILLIPS	190		TTM	6	5	5	73.8		2849			Low	o	1			$167,000	
						B-27-A	1934		006J	FRENCHMAN CREEK	454.578	40.586	-102.290	PHILLIPS	2200		TTS	6	6	5	63.6		4715			Medium	o	1			$192,000	
						B-27-E	1949	NHS	385D	FRENCHMAN CREEK	279.698	40.591	-102.302	PHILLIPS	2200		CI	5	6	5	67.9		5040			Medium		1			$266,000	
	20866	US 36 Bridge Replacements	Brett Locke	Staff Bridge	Jul-17	F-22-E	1938		036D	DRAW	140.081	39.740	-103.508	WASHINGTON	550	33%	TTS	6	4	5	60.9	SD	4724	75				4		$4,082,000		
						F-23-F	1938		036D	DRAW	140.889	39.740	-103.493	WASHINGTON	550	33%	TTS	6	4	6	54.1	SD	2710	75				1		$2,342,000		
	TBD	I-76 Corridor MP 78.8 to 110.7 and MP 91.67	Lou Keen	TSH	Oct-16	C-21-B	1959	NHS	076A	SH 144 ML	78.836	40.266	-103.826	MORGAN	6500	20%	CSGC	6	7	7	80.4	FO	7854	15	Both			1	Deck, Approach Slabs	$625,000		
						C-21-E	1959	NHS	076A	SH 144 ML	78.835	40.265	-103.826	MORGAN	6500	20%	CSGC	6	6	7	61.2	FO	5607	15	Both			1	Deck	$508,000		
						C-21-M	1959	NHS	076A	SH 52 ML	80.122	40.264	-103.801	MORGAN	6900	17%	CSGC	6	6	6	65.5	FO	4559	20	Deck			1	Deck	$508,000		
						C-21-I	1959	NHS	076A	SH 52 ML	80.123	40.264	-103.801	MORGAN	6900	17%	CSGC	7	6	7	64.5	FO	4559	15	Both			1	Deck	$603,000		
						C-22-BG	1961	NHS	076A	US 34 SPUR	91.673	40.271	-103.584	MORGAN	5900	17%	CPG	5	5	6	61.8	FO	7558	20	Deck			2	Deck	$1,016,000		
						C-22-BE	1964	NHS	076A	US 6 ML	91.674	40.272	-103.584	MORGAN	5900	17%	CPG	6	7	7	72.8	FO	10599	20	Deck			2	Deck	$581,000		
Surface Treatment	TBD	Overlay SH14C Ft Collins East MP 135.7 to139.5	James Flohr	TSH	Oct-17	B-16-D	1950	NHS	014C	CACHE LA POUDRE RIVER	135.909	40.581	-105.059	LARIMER	25400		CICK	6	4	5	38	SD	16397					1				
						B-16-AR	1967	NHS	014C	CACHE LA POUDRE DITCH 2	136.753	40.581	-105.043	LARIMER	26500		CBC	N	N	N	80.5		0					0				
						B-16-GL	1999	NHS	014C	DRY CREEK	137.300	40.581	-105.033	LARIMER	26500	5%	CSCP	7	7	8	96.7		7570	20	Deck			0				$168,000
						B-16-L	1967	NHS	014C	CACHE LA POUDRE DITCH 2	137.559	40.581	-105.028	LARIMER	28400		CBC	N	N	N	80.4		0					0				
						B-16-T	1948	NHS	014C	LAKE CANAL	138.128	40.581	-105.017	LARIMER	28200		CBC	N	N	N	83.4		0					0				
						B-16-EX	1966	NHS	014C	I 25 ML	138.939	40.581	-105.001	LARIMER	14250		CSGC	5	5	5	62.9	FO	9991					0	Included in 19942			
						B-16-EW	1966	NHS	014C	I 25 ML	138.938	40.581	-105.001	LARIMER	14250		CSGC	4	5	6	60.7	SD	9995					1	Included in 19942			
						B-17-DJ	1985	NHS	014C	BOX ELDER CREEK	139.426	40.581	-104.993	LARIMER	18600		CBC	N	N	N	95.8		5804					0				
	19723	Overlay US 24G El Paso CL East Part 2 MP 350.8 to 356.7	Travis Miller	TSH	Mar-17	H-20-AE	1936	NHS	024G	DRAW	353.521	39.143	-104.087	ELBERT	3000		CBC	N	N	N	94.7		0					0				
						H-20-CO	1985	NHS	024G	DRAW	354.767	39.137	-104.065	ELBERT	2500		CMP	N	N	N	99.6		0					0				
						H-20-CQ	1985	NHS	024G	DRAW	356.189	39.145	-104.042	ELBERT	2400		CBC	N	N	N	95.7		0					0				
						H-20-CR	1985	NHS	024G	BIG SANDY CREEK	356.571	39.149	-104.039	ELBERT	2400		CMP	N	N	N	98.7		0					0				
	TBD	Overlay US85L 0 St. to Ault. MP 270.49 to 279.76	Lou Keen	TSH	TBD	C-18-CA	1964	NHS	085L	GREELEY CANAL NO 2	272.371	40.480	-104.700	WELD	7950		CSG	5	7	6	78.4		1325					0	Substructure Repair	$10,000		
						C-18-L	1928	NHS	085L	GREELEY CANAL NO 2	272.370	40.480	-104.699	WELD	7950		CSG	5	5	5	79.6		1177		Deck			0	Substructure Repair	$60,000		$32,000
						B-18-C	1966	NHS	085L	LARIMER-WELD CANAL	278.653	40.568	-104.727	WELD	5100		CSG	7	7	7	95.5		1215		Deck			0				$12,000
						B-18-B	1931	NHS	085L	LARIMER-WELD CANAL	278.652	40.568	-104.727	WELD	5100		CI	6	6	6	65.6		960		Deck			0		$7,000		$17,000
	19705	Overlay SH119B Boulder East. MP 44.98 to 54.4	Dan Marcucci	TSH	Jan-16	D-16-N	1959	NHS	119B	LEFT HAND CREEK	53.152	40.127	-105.144	BOULDER	16700	4%	CSG	7	6	5	64.8	FO	4002	20	Deck			0				$86,000
						D-16-AU	1975	NHS	119B	LEFT HAND CREEK	53.153	40.127	-105.145	BOULDER	16700	4%	CSGC	7	7	7	93.3		5176					0	Joints	$3,000		
						D-16-I	1958	NHS	119B	FOUR MILE CREEK	45.568	40.046	-105.239	BOULDER	27400	4%	CSG	7	7	7	86.7		6101		Both			0				$131,000
						D-16-L	1958	NHS	119B	BEASLEY DITCH	46.624	40.055	-105.228	BOULDER	21900		CBC	N	N	N	76		0					0				
						D-16-CF	1971	NHS	119B	BEASLEY DITCH	46.625	40.055	-105.228	BOULDER	21900		CBC	N	N	N	76		0					0				
						D-16-M	1959	NHS	119B	DRAW	48.707	40.080	-105.200	BOULDER	43500		CBC	N	N	N	87.2		0					0				
	NA	14C S-Curve Budget Supplement MP 236.92	-		NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	20656	US 85 Resurfacing MP 242-246 Northbound	Lou Keen		NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
BPM	TBD	2018 BPM RR Bridges	TBD	TSH	TBD	B-16-ES	1966	NHS	025A	BNSF RR	269.808	40.588	-105.001	LARIMER	18650		WGK	7	7	7	94.2		4747	15	Both							$346,000
						B-16-FM	1966		0	I 25 ML	0.000	40.668	-105.001	LARIMER	4466		WGK	6	6	6	77.5	FO	6457	15	Both							$345,000
						B-17-BC	1966	NHS	025A	RR SPUR	266.378	40.539	-104.996	LARIMER	27050		WGCK	7	7	7	77.4	FO	7581	20	Deck							$168,000
						B-17-BD	1966	NHS	025A	RR SPUR	266.379	40.539	-104.996	LARIMER	27050		WGCK	7	7	7	96.7		6536	15	Both							$155,000
						C-17-CB	1962	NHS	025A	GW RR	251.689	40.328	-104.980	WELD	30900		CSG	7	7	6	89.3	FO	3095	15	Both							$158,000
						C-17-CE	1961	NHS	025A	GW RR	251.688	40.328	-104.980	WELD	30900		CSG	7	6	6	89.3	FO	3095	20	Deck							$100,000
						C-17-EO	1965	NHS	025A	UP RR	258.293	40.423	-104.993	LARIMER	35600		WGC	6	7	6	90.8		5843	15	Both							$175,000
						C-17-EP	1965	NHS	025A	UP RR	258.292	40.423	-104.992	LARIMER	35600		WGC	7	7	7	90.8		5825	20	Deck							$168,000
						D-17-DB	1961	NHS	025A	GW RR	245.772	40.242	-104.980	WELD	32200		CIC	6	6	6	91.5		3923	20	Deck							$180,000

Region 4 Major Structure Asset Management Plan

Status Date: 6/19/2015

TSIOUVARAS SIMMONS HOLDERNESS CONSULTING ENGINEERS

COLORADO Department of Transportation

Project Information							Structure Information																				Scope and Prioritization					Funding		
																			NBI Rating													FY2019		
	Project Type	Project SA	Project Number Project Description	Resident Engineer	Designer	Ad Date	Structure	Year Built	NHS	Route Carried	Feature Intersected	Ref Point	Latitude	Longitude	County	ADT	% Truck Traffic	Structure Type	Deck	Super	Sub	Sufficiency Rating	Functional Status	Deck Area	Years Life Added	BPM Eligible (Deck/Joint)	Scour Critical	Essential Repair	Repair Priority	Bridge Repairs	Repair	Scour	BPM
																														Sub Total	$5,027,000	$0	$742,000
																														Total	$5,769,000		
																														Budget	$829,949		
																														% of Budget	695%		
2019	Repair	20862	Replacement Package	Brett Locke	M&S	TBD	A-24-L	1937		113A	DRAW	11.518	40.900	-103.115	LOGAN	1400		TTS	5	6	6	85.1		1372	75		Medium		1	Replacement	$600,000		
	Repair	20865	US34 Republican River Bridges	Brett Locke		TBD	D-28-S	1954	NHS	034B	REPUBLICAN RIVER	248.859	40.078	-102.247	YUMA	4900		TTS	5	4	6	66.1	SD	3738	75				1	Replacement	$1,790,000		
							D-28-P	1954	NHS	034B	REPUBLICAN RIVER	249.658	40.079	-102.232	YUMA	4900		TTS	5	4	6	68.7	SD	4478	75				3	Replacement	$2,165,000		
	Repair	TBD	Repair Project Combine with Overlay 7c	Dan Marcucci		TBD	D-15-B	1957	NHS	036B	FOUR MILE CANYON CREEK	34.314	40.046	-105.259	BOULDER	16600	3%	CSG	7	6	6	69	FO	2789	75	Deck	Medium		1		$124,000		
	Surface Treatment	TBD	Overlay 7C 28th St to HWY 287 MP 52.29 to 55, 56.99 to 60.5	Dan Marcucci		TBD	D-15-AV	1966	NHS	007C	BOULDER CREEK	53.197	40.015	-105.245	BOULDER	15500		CSGC	7	7	7	76.3	FO	5804					0				
							D-15-AQ	1938	NHS	007C	BOULDER CREEK	53.198	40.015	-105.245	BOULDER	15500		CI	4	5	6	57.5	SD	4241		Both	High		2	Substructure Repair	$31,000		$381,000
							D-16-DB	1985	NHS	007C	BEAR CANYON CREEK	53.489	40.015	-105.240	BOULDER	34600		CBC	N	N	N	82		11917					0				
							D-16-DQ	2006	NHS	007C	BIKE/PED UNDERPASS	53.520	40.015	-105.240	BOULDER	34600		CRF	6	6	7	96.4		2779		Deck			0				$22,000
							D-16-J	1938	NHS	007C	SOUTH BOULDER CREEK	54.813	40.015	-105.215	BOULDER	25700		CICK	8	7	6	91.5		6765					0				
							D-16-BW	1928	NHS	007C	DRAW	57.106	40.015	-105.172	BOULDER	16700		CBC	N	N	N	61.2	FO	1022					0				
		TBD	Overlay 25A CR 36 North MP 246 to 249.5	TBD		TBD	C-17-AI	1960		0	I 25 ML	0.000	40.263	-104.980	WELD	1016		CSGC	7	6	7	74.1		17091					0				
							C-17-AT	1961	NHS	025A	COUNTY ROAD	249.263	40.277	-104.980	WELD	32200		CSG	7	7	5	80.4		3570					1				
							C-17-AS	1961	NHS	025A	COUNTY ROAD	249.264	40.277	-104.980	WELD	32200		CSG	6	6	6	89.7	FO	3551		Deck			1	Substructure Repair	$26,000		$28,000
		TBD	Overlay 85C South of Platteville NB MP 245.69 to 250.646	TBD		TBD	D-17-DH	1991	NHS	085C	Platte Valley Canal	248.069	40.173	-104.816	WELD	17900		CBC	N	N	N	99.2		2432					0				
		TBD	Overlay 71C North and South of Punkin Center, South of Limon MP 63.8 to 101 (Chipseal, may be upgraded to HMA)	TBD		TBD	J-22-K	1988		071C	HORSE CREEK	65.271	38.747	-103.703	LINCOLN	830		CPGC	8	8	8	98.8		7632		Joints		y	0				$243,000
							I-22-O	1961		071C	DRAINAGE DITCH	66.587	38.765	-103.700	LINCOLN	530		CSC	7	7	7	91.9		1518		Deck	Low		1	Part of FY17 Repair Pkg			
							I-22-A	1960		071C	MUSTANG CREEK	75.159	38.890	-103.701	LINCOLN	530		CSG	6	6	5	71.9		5233		Deck	Low		1	Substructure Repair	$265,000		$41,000
							I-22-D	2008		071C	SOUTH RUSH CREEK	75.459	38.894	-103.701	LINCOLN	530		CPGC	8	8	8	95.3		10543					0				
							I-22-F	2008		071C	MIDDLE RUSH CREEK	80.283	38.964	-103.702	LINCOLN	530		CBGCP	8	8	8	97.8		9535					0				
							H-22-M	1958		071C	APACHE CREEK	84.795	39.029	-103.702	LINCOLN	530		CSG	7	6	6	90.7		3491		Deck			0	Substructure Repair	$26,000		$27,000
							H-22-A	1957		071C	NORTH RUSH CREEK	87.020	39.061	-103.703	LINCOLN	530		CSG	5	5	4	57.4	SD	5077		Deck			1	Part of FY17 Repair Pkg			
							H-22-B	1957		071C	LONG CREEK	89.867	39.100	-103.703	LINCOLN	530		CBC	N	N	N	96.6		0				g	1	Part of FY17 Repair Pkg			
							H-22-S	1984		071C	SANDY CREEK	98.764	39.230	-103.696	LINCOLN	1300		CMP	N	N	N	99.6		0					0				
							G-22-BX	1999		071C	BIG SANDY CREEK	100.899	39.267	-103.708	LINCOLN	2600		CPGC	7	8	8	98		15872		Deck			0	Part of FY19 BPM Pkg			
		TBD	Overlay 76A Fort Morgan to Brush Interstate MP 78.389 to 82.16	TBD		TBD	C-21-BF	1959	NHS	076A	MORGAN CANAL	78.752	40.265	-103.827	MORGAN	14100		SAC	N	N	N	82.2		0					0				
							C-21-E	1959	NHS	076A	SH 144 ML	78.835	40.265	-103.826	MORGAN	6500		CSGC	6	6	7	61.2	FO	5607		Both			1	Part of FY18 Repair Pkg			
							C-21-B	1959	NHS	076A	SH 144 ML	78.836	40.266	-103.826	MORGAN	6500		CSGC	6	7	7	80.4	FO	7854		Both			1	Part of FY18 Repair Pkg			
							C-21-I	1959	NHS	076A	SH 52 ML	80.123	40.264	-103.801	MORGAN	6900		CSGC	7	6	7	64.5	FO	4559		Both			1	Part of FY18 Repair Pkg			
							C-21-M	1959	NHS	076A	SH 52 ML	80.122	40.264	-103.801	MORGAN	6900		CSGC	6	6	6	65.5	FO	4559		Deck			1	Part of FY18 Repair Pkg			
							C-21-BG	1958	NHS	076A	UPPER PLATTE BEAVER DITC	80.523	40.263	-103.794	MORGAN	14800		SAC	N	N	N	82.2		0					0				
							C-21-BA	1959	NHS	076A	CR 20-BARLOW RD.	81.631	40.263	-103.773	MORGAN	6900		CSGC	6	5	5	72.8		4256		Deck			1	Upcoming Replacement			
							C-21-BB	1959	NHS	076A	CR 20-BARLOW ROAD	81.631	40.263	-103.773	MORGAN	6900		CSGC	6	5	5	72.8		4254		Deck			1	Upcoming Replacement			
		NA	Overlay 14C New Raymer West MP 194.48 to 202.8	-		NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
		NA	Overlay 263A 85L to Airport MP 0.635 to 2.733	-		NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								