

Appendix G: Needs Assessment Data

The needs assessment data that follows consists of a point rating system assigned to collector and arterial segments found to be “deficient” in any one of the assessment criteria categories. Categories left blank indicate no or minimal deficiency. The data shown here will change over time due to normal wear or road improvement projects that may increase width, CBE, PCI, and safety. Operating conditions expressed in ADT and LOS data may change as the population grows and new development occurs.

Each assessment criterion was weighted based upon its importance, and points were also allocated for each criterion not meeting a minimum reasonable threshold. Thus a road segment accumulated points based upon its “deficiencies” and based upon the importance of each deficiency criterion. For instance, Crash Rate, which is an indicator of roadway safety, is weighted as the most important criterion with eight points, while Pavement Condition was weighted the least important with one point. A road would receive the number of points indicated below if the associated deficiency threshold was met.

The Assessment Criteria and associated thresholds and points are shown in the following table. Please see Chapter 6.3, Needs Assessment Methodology and Results, for more detailed explanation.

Criteria	Deficiency Threshold	Points
Pavement Condition Index (PCI)	Less than 50 points (see Chapter 6.3)	1
Crushed Base Equivalent (CBE)	12” to less than 16”	2
Road Width	Between 1’ and 4’ less than the standard	3
CBE	Less than 12”	4
Average Daily Traffic (ADT)	Greater than 5,000 for urban roads and 10,000 for rural roads, for 2020 projection	5
Level of Service (LOS)	E or worse in 2017	6
Road Width	Greater than or equal to 4’ less than the standard	7
Crash Rate	Greater than 2.0 crashes per million vehicle miles traveled	8

Acronyms for Needs Assessment Data:

BMP - Beginning Mile Point
 EMP - Ending Mile Point
 Terrain, L - Level
 Terrain, R - Rolling
 Terrain, M - Mountainous
 CIP - Capital Improvement Program
 PCI - Pavement Condition Index
 CBE - Crushed Base Equivalent
 ADT - Average Daily Traffic
 LOS - Level of Service

Lane County Roads Needs Assessment Data

ROAD_NAME	ROAD ID	BMP	EMP	Terrain	CIP	Assessment Criteria					Total Points	
						PCI	CBE	Width	ADT	LOS		Crash Rate
06TH AVE WEST	346500	0.520	0.850	L			4					4
18TH AVE EAST & DEAL	347500	0.000	0.300	L				7				7
18TH AVE WEST	347300	0.000	0.854	L				7				7
23RD ST	180900	0.000	0.252	L				7				7
30TH AVE	185000	0.100	1.500	R	Bid List				5			5
31ST ST / 28TH ST	192500	0.542	0.905	L			4	7				11
ALVADORE RD	361500	0.000	3.587	L				7				7
ALVADORE RD	361500	3.587	6.100	L			2	7				9
APPLEGATE TRAIL	362200	0.000	2.584	R				7				7
ARROWHEAD ST	320100	0.000	0.230	L				7				7
ASPEN ST	167500	0.000	0.181	L				7				7
ASPEN ST	167500	0.337	0.441	L				7				7
AWBREY LN	344000	0.000	0.170	L			4	7				11
AWBREY LN	344000	0.170	1.340	L			4	7				11
BAILEY HILL RD	121500	3.113	4.616	R				3				3
BAILEY HILL RD	121500	2.498	3.010	R					6			6
BAILEY HILL RD	121500	3.010	3.113	R				3				3
BARSTOW AVE	320900	0.000	0.258	L			4					4
BEACON DR EAST	315000	0.000	0.740	L		1		7				8
BEACON DR EAST	315000	0.740	0.749	L				7				7
BEACON DR WEST	315600	1.000	1.172	L				7				7
BEACON DR WEST	315600	0.000	0.154	L	Bid List			7				7
BEACON DR WEST	315600	0.154	1.000	L				7				7
BEAR CR RD	602800	0.000	2.160	R				7				7
BERNHARDT CR RD	503400	0.000	0.063	M			4	3				7
BERNHARDT CR RD	503400	0.063	6.985	M			4	3				7
BERNHARDT CR RD	503400	6.985	7.058	M		1	4	3				8
BIG FALL CR RD	624000	7.550	9.110	M			4					4
BIG FALL CR RD	624000	0.000	7.550	M				7				7
BLACKFOOT AVE	323000	0.300	0.806	L			2					2
BLUE RIVER DR	110500	0.000	1.555	R				7				7
BODENHAMER RD	427200	0.000	1.062	L				7				7
BODENHAMER RD	427200	1.062	1.345	L				7				7
BOLTON HILL RD	406200	0.000	1.171	R			2	7				9
BOLTON HILL RD	406200	1.171	3.254	R			4					4
BRICE CR RD	247000	0.000	2.150	M			4	3				7
BRICE CR RD	247000	3.340	8.122	M	Bid List		4					4

Lane County Roads Needs Assessment Data

ROAD_NAME	ROAD ID	BMP	EMP	Terrain	CIP	Assessment Criteria					Crash Rate	Total Points
						PCI	CBE	Width	ADT	LOS		
BRIDGE ST	106000	0.006	0.190	L			4	7				11
BRIDGE ST	106000	0.190	0.295	L				7				7
BRIGGS HILL RD	409000	0.000	2.500	R			4	3				7
BRIGGS HILL RD	409000	2.500	4.401	R			2	7				9
CALLA ST	329600	0.000	0.173	L				7				7
CAMAS SWALE RD	213000	0.743	7.010	R				7				7
CAMAS SWALE RD	213000	0.550	0.743	R				7				7
CANARY RD	532000	0.000	0.686	R				7				7
CENTRAL RD	428800	0.000	1.920	L			2	7				9
CENTRAL RD	428800	1.920	4.990	R			2	7				9
CLEAR LAKE RD	534000	0.142	2.290	R	Bid List		2	7				9
CLEAR LAKE RD	534000	2.290	4.233	R	Bid List			7				7
CLOVERDALE RD	601000	0.000	3.276	L				7				7
COBURG RD	150000	7.416	8.784	L				7				7
COBURG RD	150000	8.784	12.883	L				7				7
COBURG RD NO	161000	0.000	0.218	L				7				7
COBURG RD NO	161000	0.218	1.820	L				7				7
COBURG RD NO	161000	1.820	4.115	L				7				7
COTTAGE GROVE RES RD	273000	0.000	4.583	R				3				3
CREST DR	125200	0.000	0.360	R				7				7
CREST DR	125200	0.360	0.623	R				7				7
CREST DR	125200	0.623	0.873	R				7				7
CROCKER RD	319900	0.000	0.580	L			2	3				5
CURRIN CONN	252400	0.000	0.071	L				7				7
DANSTROM RD	602000	0.000	0.135	L			4	7				11
DEADWOOD CR RD	514000	8.968	9.989	M			4	3				7
DEADWOOD CR RD	514000	9.989	11.723	M			4	7				11
DEADWOOD CR RD	514000	5.410	7.180	M			4					4
DEERHORN RD	105800	0.000	3.680	M			2					2
DEERHORN RD	105800	3.680	7.206	M			4	3				7
DELTA HWY SO	174000	0.000	1.804	L	Bid List				5			5
DELTA HWY SO NE RAMP	174005	0.000	0.195	L					5			5
DELTA HWY SO SW RAMP	174003	0.000	0.245	L				7	5			12
DELTA RD	861000	0.130	Bridge	L	Bid List							0
DEMMING RD	400800	0.000	1.000	R			4	7				11
DEMMING RD	400800	1.000	1.120	R			4	7				11
DEXTER RD	611400	0.000	1.500	L				7				7

Lane County Roads Needs Assessment Data

ROAD_NAME	ROAD ID	BMP	EMP	Terrain	CIP	Assessment Criteria					Total Points	
						PCI	CBE	Width	ADT	LOS		Crash Rate
DIBBLEE LN	325900	0.000	0.210	L			4	7				11
DILLARD RD	187000	0.000	3.850	R				7				7
DIVISION AVE	130800	0.000	1.040	L	Bid List							0
DORSEY LN	361200	0.000	1.542	L				7				7
EAST MAPLETON RD	503000	0.317	1.000	M			2					2
EAST MAPLETON RD	503000	1.000	3.950	M			4					4
EDENVALE RD	606800	0.000	1.000	R			4	7				11
EDENVALE RD	606800	2.000	3.273	L			4	7				11
EDENVALE RD	606800	1.000	2.000	R			4	7				11
ELLMAKER RD	429800	0.000	1.114	L			2	7				9
ENTERPRISE RD	607500	2.960	4.883	L			4	7				11
ENTERPRISE RD	607500	1.050	2.000	R				7				7
ENTERPRISE RD	607500	0.000	0.500	L			4					4
ENTERPRISE RD	607500	0.500	1.050	L			4					4
ENTERPRISE RD	607500	2.000	2.960	R			2	7				9
FERGUSON RD	350800	0.000	3.420	L				7				7
FERGUSON RD	350800	6.320	8.150	L			4	7				11
FERGUSON RD	350800	8.150	9.260	L			4	7				11
FERGUSON RD	350800	9.260	10.700	R			4	7				11
FIR BUTTE RD	427300	0.000	2.706	R				7				7
FISHER RD	428600	1.120	1.200	R				7				7
FLECK RD	407400	0.000	2.512	L			2	7				9
FRANKLIN BLVD EAST	182500	0.000	1.121	L				7	5			12
FRANKLIN RD	383600	0.000	2.522	R				7				7
GAME FARM RD NO	171000	0.610	1.690	L	Bid List			7	5			12
GAME FARM RD SO	152800	0.000	0.910	L				7	5	8		20
GAROUTTE RD	255500	0.000	2.507	R			2	3				5
GOLDSON RD	363600	0.000	0.500	R				3				3
GOLDSON RD	363600	0.500	1.556	R				3				3
GONYEA RD	185400	0.000	0.595	L						6		6
GOWDYVILLE RD	264500	0.183	1.890	R				7				7
GOWDYVILLE RD	264500	0.000	0.183	R				7				7
GREEN HILL RD	327000	5.072	5.815	L				7				7
GREEN HILL RD	427000	2.818	3.820	L				7				7
GREEN HILL RD	427000	3.820	5.072	L				7				7
GREEN HILL RD	427000	1.869	2.818	L				7				7
GROVE ST	133100	0.164	0.528	L			2					2

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ROAD_NAME	ROAD ID	BMP	EMP	Terrain	CIP	Assessment Criteria					Crash Rate	Total Points
						PCI	CBE	Width	ADT	LOS		
HALL RD	362500	0.000	1.500	L			2	7				9
HALL RD	362500	1.990	3.820	R			2					2
HALL RD	362500	1.500	1.990	R			2					2
HALL RD	362500	4.560	5.880	R			4	7				11
HALL RD	362500	5.880	6.800	R			4	7				11
HALL RD	362500	6.800	7.158	R			4	3				7
HAMM RD	213200	4.360	5.607	M			2					2
HARVEY RD	211400	0.000	0.260	L			4	7				11
HARVEY RD	211400	0.260	0.861	L			4	7				11
HARVEY RD	211400	0.861	1.377	L				7				7
HAYDEN BR RD	181000	0.000	1.452	L				7				7
HAYDEN BR WAY	163500	0.142	0.612	L					5			5
HECETA BEACH RD	525000	0.000	1.885	R			2	3				5
HENDERSON AVE NO	181500	0.000	0.391	L			4	7				11
HIGH PASS RD	345500	0.000	1.514	L				7				7
HIGH PASS RD	345500	1.514	4.080	L				7				7
HIGH PASS RD	345500	4.080	7.530	R				7				7
HIGH PASS RD	345500	7.530	11.000	M			4	3				7
HIGH PASS RD	345500	11.000	12.840	M			4	7				11
HIGH PASS RD	345500	16.540	17.224	M			4	3				7
HIGH PRAIRIE RD	615400	0.000	0.111	R				7			8	15
HIGH PRAIRIE RD	615400	0.111	0.947	R				7				7
HIGH PRAIRIE RD	615400	2.246	6.619	R				7				7
HILL RD	195600	0.000	4.572	R				7				7
HOLDEN CR LN	108000	0.000	0.157	L			2	7				9
HORN LN	136000	0.000	0.928	L			2	7				9
HOWARD AVE	134200	0.000	0.956	L			2	3				5
HOWE LN	217400	0.000	1.230	R				3				3
HUNSAKER LN-BEAVER ST	332000	0.000	0.060	L		1			5			6
HUNSAKER LN-BEAVER ST	332000	0.060	1.141	L				7	5			12
HUSTON RD SO	430800	0.524	1.070	L			4	7				11
HUSTON RD SO	430800	0.272	0.524	L			4	7				11
HYACINTH ST	329800	0.530	0.664	L				7				7
INDIAN CR RD	513000	5.500	8.771	M			2					2
IRVING RD	326800	1.380	1.500	L				7	5			12
IRVING RD	326800	1.230	1.360	L					5			5
IRVINGTON DR	319500	0.000	1.412	L	Bid List	1	2	7	5			15

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ROAD_NAME	ROAD ID	BMP	EMP	Terrain	CIP	Assessment Criteria					Total Points
						PCI	CBE	Width	ADT	LOS	
IRVINGTON DR	319500	1.430	1.479	L	Bid List			7	5		12
JASPER RD EXTENSION	199400			L	Bid List						0
JASPER RD EXTENSION	199400			L	Bid List						0
JASPER-LOWELL RD	622000	3.874	5.000	R		1		7			8
JASPER-LOWELL RD	622000	5.000	6.118	R				7			7
JASPER-LOWELL RD	622000	6.118	8.574	R				7			7
JASPER-LOWELL RD	622000	9.606	10.399	R				3			3
JASPER-LOWELL RD	622000	1.200	1.600	R			4				4
JEANS RD	403600	1.185	3.000	L				7			7
KALMIA ST	329400	0.000	0.070	L				7			7
KING RD EAST	111800	0.000	1.038	M			2				2
KING RD EAST	111800	3.168	4.012	M			2				2
KNIGHT RD	433000	0.000	1.440	R				3			3
LAKE DR	135200	0.130	0.430	L			4	3			7
LAKE DR	135200	0.000	0.130	L				7			7
LATHAM RD	269900	0.000	0.965	L				7			7
LAURA ST	193900	0.000	0.273	L				7			7
LINGO LN	348000	0.000	1.896	L	Bid List		2	3			5
LITTLE FALL CR RD	623000	0.000	1.500	M				2			2
LITTLE FALL CR RD	623000	1.500	3.678	M				2			2
LOST CR RD	612000	0.000	0.669	R					3		3
LOST CR RD	612000	1.876	4.035	R					3		3
LYNX HOLLOW RD	219200	0.000	2.790	R					3		3
MAPLE CR RD	532600	0.000	0.592	M					3		3
MARCOLA RD	190000	5.818	11.550	L	Bid List				7		7
MARCOLA RD	190000	11.550	16.080	R	Bid List				7		7
MARCOLA RD	190000	5.818	11.550	L	Bid List				7		7
MCBETH RD	127300	0.000	3.604	R					7		7
MCFARLAND RD	613000	0.000	1.582	R			2				2
MCKENZIE VIEW DR	159500	0.000	3.190	R					7		7
MCKENZIE VIEW DR	159500	3.190	6.099	R					7		7
MEADOWVIEW RD EAST	344600	0.000	1.162	L					4		11
MEADOWVIEW RD WEST	344300	0.000	1.446	L					7		7
MEADOWVIEW RD WEST	344300	1.446	2.952	L					7		7
MERCER LAKE RD	524000	0.000	1.080	M					4		4
MILL RD	610200	0.000	0.249	L	Bid List				2		2
MILLIRON RD EAST	345000	0.000	0.402	L	Bid List		4	3		8	15

Lane County Roads Needs Assessment Data

ROAD_NAME	ROAD ID	BMP	EMP	Terrain	CIP	Assessment Criteria					Crash Rate	Total Points
						PCI	CBE	Width	ADT	LOS		
MOSBY CR RD	250000	1.204	1.597	L				7				7
MOSBY CR RD	250000	1.610	1.632	L				7				7
MUNSEL LAKE RD	526000	0.000	0.382	L			2	7				9
MUNSEL LAKE RD	526000	0.382	0.500	L			2	7				9
MUNSEL LAKE RD	526000	0.774	2.090	R				3				3
NELSON MTN RD	467000	9.890	11.109	M	Bid List							0
NELSON MTN RD	367000	0.000	2.860	M				7				7
NELSON MTN RD	467000	4.200	9.890	M			4	7				11
NO FORK SIUSLAW RD	507000	17.412	17.883	M			4	3				7
NO FORK SIUSLAW RD	507000	0.000	0.849	L				7				7
NO FORK SIUSLAW RD	507000	5.700	11.450	M			2					2
NO FORK SIUSLAW RD	507000	11.450	12.500	M			4					4
NO FORK SIUSLAW RD	507000	12.500	13.805	M			4					4
NO FORK SIUSLAW RD	507000	13.805	17.412	M			4					4
NO RIVER RD	221000	0.000	0.433	L				7				7
NORATON RD	348500	1.856	2.718	L				2				2
NORTH DELTA HWY	173000	0.000	0.201	L	Bid List	1			5			6
NORTHWEST EXPRESSWAY	121000	0.170	1.738	L					5			5
NORTHWEST EXPRESSWAY	121000	0.104	0.170	L					5			5
NORTHWEST EXPRESSWAY	121000	2.568	3.220	L					5			5
NORTHWEST EXPRESSWAY	321000	3.220	3.350	L				3				3
NORTHWEST EXPRESSWAY	321000	3.350	4.749	L					5			5
OAKLEA DR	351200	0.000	1.512	L				7				7
OAKLEA DR	351200	1.512	2.534	L				7				7
PARK AVE	138000	0.000	0.786	L			2	7				9
PEARL ST	163900	0.561	0.635	L	Bid List			7	5			12
PEARL ST	163900	0.540	0.561	L				7				7
PERKINS RD	406600	1.110	2.822	L			2	7				9
PERKINS RD	406600	0.420	0.443	L			2	7				9
PERKINS RD	406600	0.443	1.110	L			2	7				9
PINE GROVE RD	425400	0.000	1.000	R				7				7
PIONEER PKWY EAST	194600	1.700	1.781	L	Bid List			3	5	8		16
PLACE RD	622500	0.942	2.500	R				7				7
PLACE RD	622500	2.500	4.490	R				7				7
PRAIRIE RD	347000	1.939	2.211	L	Bid List			7	5	8		20
PRAIRIE RD	347000	0.690	1.640	L	Bid List				5	6		11
PRAIRIE RD	147000	0.118	0.690	L					5	6		11

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						PCI	CBE	Width	ADT	LOS		
PRAIRIE RD	347080	8.050	9.250	L				7				7
PRAIRIE RD	347000	1.640	1.939	L	Bid List			7				7
PRAIRIE RD	347030	2.221	3.116	L				7				7
PRAIRIE RD	347030	3.116	5.500	L				7				7
PRAIRIE RD	347030	5.500	7.286	L				7				7
PRAIRIE RD	347030	7.286	7.850	L				7				7
RATTLESNAKE RD	610400	2.250	4.474	R				3				3
RHODODENDRON DR	528000	3.440	5.112	R			4	3				7
RICHARDSON RD	501800	0.000	0.100	M			4	3				7
RIDGEWAY RD	605800	0.000	1.000	R			4	7				11
RIDGEWAY RD	605800	1.500	2.540	L			2	3				5
RIVER LP #1	325800	0.000	0.244	L			4	7				11
RIVER LP #2	318500	0.000	0.990	L				7	5			12
RIVER RD	310000	7.340	7.366	L	Bid List				5			5
RIVER RD	310000	7.366	7.747	L	Bid List				5			5
RODGERS RD	601800	0.678	1.200	L				7				7
ROW RIVER RD	240000	4.840	6.000	R			2					2
ROW RIVER RD	240000	1.042	1.795	L				3	5			8
ROW RIVER RD	240000	1.795	1.900	L				3				3
ROW RIVER RD	240000	6.000	11.000	R				3				3
ROW RIVER RD	240000	16.230	16.310	R				7				7
ROW RIVER RD	240000	16.310	16.597	R				7				7
ROW RIVER RD	240000	16.597	19.778	R			4	7				11
ROYAL AVE	145500	2.267	2.930	L	Bid List			7	5	8		20
ROYAL AVE	145500	2.930	3.267	L	Bid List			3	5			8
SAGINAW RD EAST	220200	0.000	0.622	L				7				7
SCENIC DR	310800	0.000	0.765	R			2	7				9
SEARS RD	241000	0.000	0.640	L				7				7
SEARS RD	241000	0.640	2.950	L			4	7				11
SEARS RD	241000	3.350	9.610	L				7				7
SEAVEY LP RD	188100	0.000	3.791	L				7				7
SEAVEY WAY	189300	0.222	Bridge	L	Bid List							0
SHARPS CR RD	246000	9.650	10.160	M			2	3				5
SHEFFLER RD	401600	0.000	1.870	R				7				7
SHOESTRING RD	275500	0.000	3.770	M			4					4
SILTCOOS STA RD	533400	0.000	1.000	M			2					2
SILTCOOS STA RD	533400	1.850	4.841	M			4					4

Lane County Roads Needs Assessment Data

ROAD_NAME	ROAD ID	BMP	EMP	Terrain	CIP	Assessment Criteria					Crash Rate	Total Points
						PCI	CBE	Width	ADT	LOS		
SILVER LN	131400	0.458	0.511	L					5		5	
SOUTH CANARY RD	533000	0.000	2.613	M			2				2	
SPENCER CR RD	413200	0.500	3.285	R				7			7	
SPRING CR DR	317500	0.000	0.527	L			2	7			9	
STAGECOACH RD	502000	9.704	11.488	M	Bid List		2				2	
STAGECOACH RD	502000	0.000	2.500	M	Bid List		4	3			7	
STAGECOACH RD	502000	2.500	4.200	M	Bid List		4	7			11	
STAGECOACH RD	502000	4.200	9.704	M	Bid List		2	7			9	
SUNDERMAN RD	194800	0.000	2.728	L				3			3	
SUTTLE RD	441000	0.000	3.802	L				7			7	
SUTTON LAKE RD	523000	0.000	0.460	R			2	7			9	
SUTTON LAKE RD	523000	0.460	2.688	R			2	7			9	
TEN MILE RD	521000	0.000	2.012	M			4	7			11	
TEN MILE RD	521000	2.143	8.340	M			4	7			11	
THOMPSON CR RD	511000	4.300	4.820	M			4	3			7	
THOMPSON CR RD	511000	0.000	0.050	M			4				4	
THOMPSON CR RD	511000	0.050	2.988	M			4	7			11	
THORNTON RD SO	252000	0.150	0.284	L				7			7	
THURSTON RD	103500	1.082	1.330	L			4				4	
UPPER NO FORK RD	508400	0.000	3.044	M			2				2	
VAUGHN RD	433500	6.700	9.906	R				7			7	
WARTHEN RD	402400	1.180	4.008	R				7			7	
WARTHEN RD	402400	0.000	1.180	L				7			7	
WENDLING RD	197500	0.000	1.600	R				3			3	
WEST BOUNDARY RD	627000	1.680	15.842	M	Bid List		4				4	
WEST SHEFFLER RD	401800	0.000	2.352	R			2				2	
WESTFIR-OAKRIDGE RD	612800	2.000	3.050	R				7			7	
WESTFIR-OAKRIDGE RD	612800	3.569	5.192	M				3			3	
WESTFIR-OAKRIDGE RD	612800	5.192	6.065	M				3			3	
WILKES DR	321400	0.000	0.290	L					5		5	
WILKES DR	321400	0.790	0.932	L			4	7			11	
WILKES DR	321400	0.290	0.790	L			2				2	
WILLAG RD NEE RAMP #1	166001	0.000	0.285	L	Bid List			7	5		12	
WINBERRY CR RD	624500	4.420	5.674	M			4				4	