

Region 3 Needs and Accomplishments

Utah Department of Transportation

January 2018

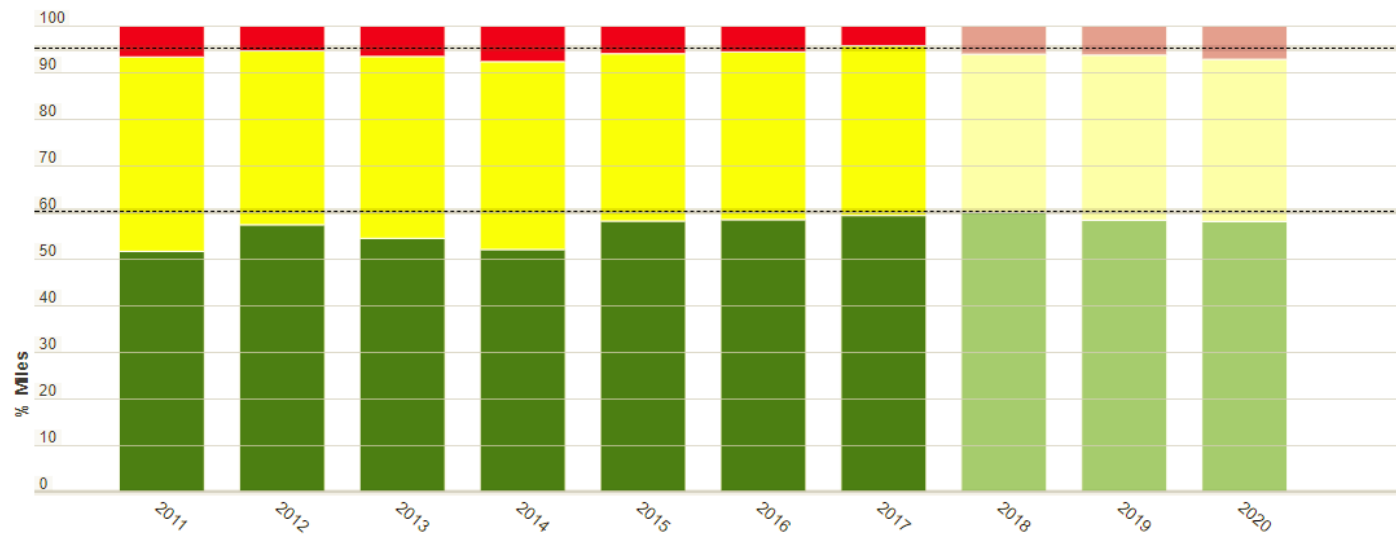
Teri Newell, P.E.

UDOT Region 3 Director



Region 3 Pavement Program

High Volume Condition

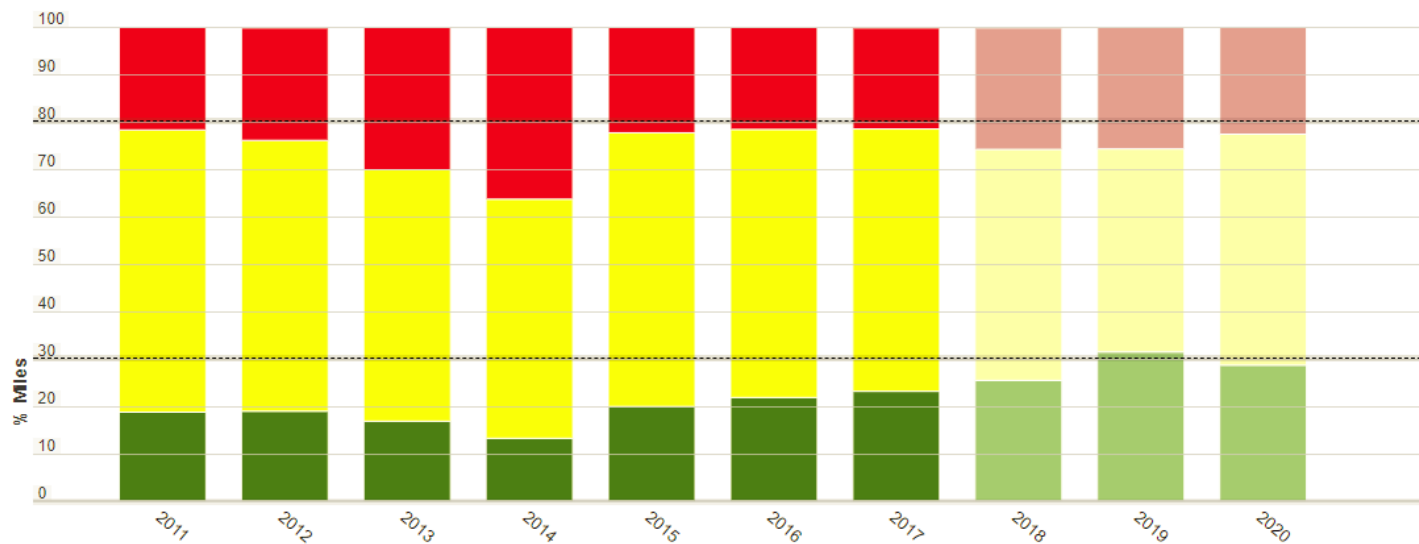


Region 3 High Volume Pavement Condition

■ % Good ■ % Fair ■ % Poor ■ Forecasted % Good
■ Forecasted % Fair ■ Forecasted % Poor ---- Poor Target (<5%)
---- Good Target (>60%) Scale - Good: IRI < 95 in/mi; Poor: IRI > 170 in/mi
System - 795 Centerline Miles; 3,615 Surface Areas
Statewide Funding - \$210 Million Annually

Region 3 Pavement Program

Low Volume Condition



Region 3 Low Volume Pavement Condition

■ % Good ■ % Fair ■ % Poor ■ Forecasted % Good
■ Forecasted % Fair ■ Forecasted % Poor ---- Poor Target (<20%)
---- Good Target (>30%) Scale - Good: IRI < 95 in/mi; Poor: IRI > 170 in/mi
System - 250 Centerline Miles; 595 Surface Areas
Statewide Funding - \$40 Million Annually

Region 3 Pavement Program

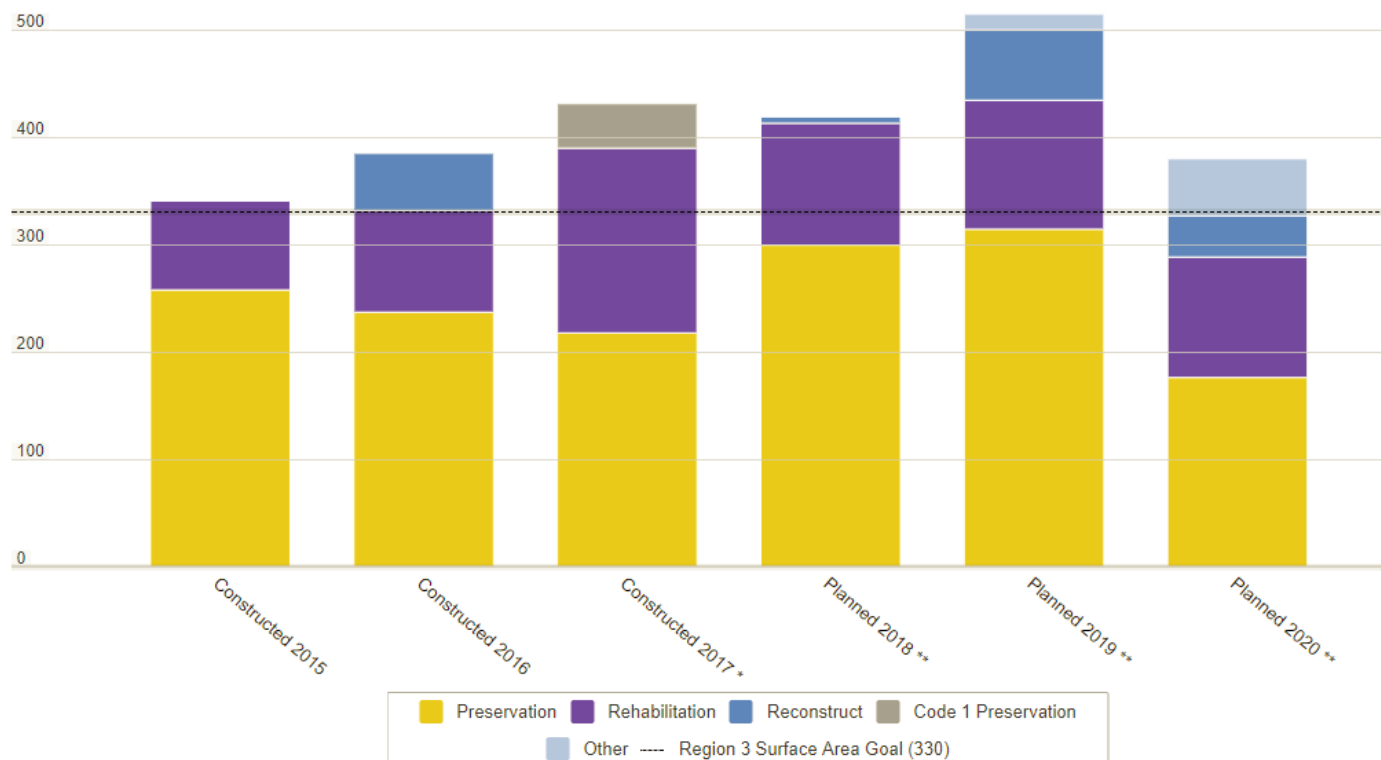
				Estimated 2018	Estimated 2019	Estimated 2020	Estimated 2021	Notes
Funding			Federal Amount	\$ 152,022,656	\$ 201,685,837	\$ 201,334,797	\$ 200,968,935	
			State Pavement LVR & Statewide Pvm. Mgmt.	\$ 42,000,000	\$ 42,000,000	\$ 42,000,000	\$ 42,000,000	
			Code 1 Maintenance	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	
			TIF Maintenance	\$ 7,977,344	\$ 8,314,163	\$ 8,665,203	\$ 9,031,065	
			Total State & Federal	\$ 212,000,000	\$ 262,000,000	\$ 262,000,000	\$ 262,000,000	
				\$ -	\$ -	\$ -		
dTIMS Model Recommendation for Pavements			LVR & HVR combined	\$ 210,000,000	\$ 260,000,000	\$ 260,000,000	\$ 260,000,000	Funding available in 2017, and recommended by dTIMs for maintaining High and Low Volume pavement conditions for 2018-2020.
Statewide Pavment Mgmt.				\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	Pavement Management
UDOT Maintenance				\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000	Management Quality (MQA)
LVR Program				\$ 40,000,000	\$ 40,000,000	\$ 40,000,000	\$ 40,000,000	
HVR Program			Reconstruction Program		\$ 50,000,000	\$ 50,000,000	\$ 50,000,000	Rehabilitation Program, Now Reconstruction Program.
			Allocated to Regions	\$ 160,000,000	\$ 160,000,000	\$ 160,000,000	\$ 160,000,000	High Volume Roads to reach the \$207M available in 2016, and \$230M (2017-2019) dTIMs recommendation
	Distributed 2017 &							
Region 1	15.2%			\$ 6,100,000	\$ 7,200,000	\$ 7,200,000	\$ 7,200,000	Low Volume Roads
Region 2	7.2%			\$ 2,900,000	\$ 3,600,000	\$ 3,600,000	\$ 3,600,000	
Region 3	10.5%			\$ 4,200,000	\$ 5,600,000	\$ 5,600,000	\$ 5,600,000	
Region 4	67.0%			\$ 26,800,000	\$ 23,600,000	\$ 23,600,000	\$ 23,600,000	
				\$ 40,000,000	\$ 40,000,000	\$ 40,000,000	\$ 40,000,000	
Region 1	20.00%	22.00%	(45 / 55) [1]	\$ 32,000,000	\$ 35,200,000	\$ 35,200,000	\$ 35,200,000	High Volume Roads
Region 2	25.00%	23.00%	(40 / 60) [2]	\$ 40,000,000	\$ 36,800,000	\$ 36,800,000	\$ 36,800,000	
Region 3	22.00%	22.00%	(35 / 65) [3]	\$ 35,200,000	\$ 35,200,000	\$ 35,200,000	\$ 35,200,000	
Region 4	33.00%	33.00%	(55 / 45) [4]	\$ 52,800,000	\$ 52,800,000	\$ 52,800,000	\$ 52,800,000	
				\$ 160,000,000	\$ 160,000,000	\$ 160,000,000	\$ 160,000,000	

High Volume:
\$35,200,000

Low Volume:
\$5,600,000

Region 3 Pavement Program

High Volume System Annual Surface Area Report



Transportation Solutions STIP Process

Small Capacity Projects

Managed by the Future Development Group

- All Year - Solicit Project Ideas & Do Concept Reports
- Nov. Mtg. - Remind Team of Upcoming Projects Discussion
- First of Dec. - Discuss Project List
- Middle of Dec. - Prioritize Project List

Asset Projects

Managed by the Asset Management Team

- All Year - Solicit Project Ideas & Do Concept Reports
- Oct. Mtg. - Remind Team of Upcoming Projects Discussion
- Nov. Mtg. - Discuss Project List
- Dec. Mtg. - Prioritize Project List



Combined Small Capacity & Asset Project List

Managed by the STIP Development Team

- First of Jan. - Discuss Project List
- Middle of Jan. - Prioritize Project List

Transportation Solutions

		2018 Deobligation	\$9,700,000	\$0	\$0
		Transportation Solutions :	\$7,500,000	\$13,500,000	\$13,500,000
County / City	Project Description	2019	2020	2021	
Utah Co.	US-189; Block Wall Repair Along Provo River	\$1,000,000			
Utah and Wasatch Co.	Provo Canyon Pkwy. Trail Gap	\$2,000,000			
American Fork	AF Main & State St. Intersection Area	\$4,000,000			
Utah Co.	US-6; MP 200 Bridge Ride Fix	\$1,000,000			
Pleasant Grove	PG Interchange Area Improvements		\$9,100,000		
Orem	Orem 1150 S & State St. Intersection & Signal Relocation		\$1,000,000		
Orem	Orem 1200 W & Center St. Intersection Widening & Turn Lanes		\$1,000,000		
Spanish Fork	US-6; SF City Lane Addition	\$50,000	\$1,000,000		
Springville	Springville 400 S Interchange Capacity Improvements	\$100,000	\$1,000,000		
Midway	SR-113 & Michie Lane intersection	\$500,000			
Spanish Fork	SR-6; Intersection improvements in SF City			\$8,500,000	
Spanish Fork	SF Center St. Pallet Spur Relocation		\$600,000		
Santaquin	US-6; Santaquin Main St. Widening		\$300,000		
Utah County	SR-92; Shoulder Widening		\$1,500,000		
various	Regionwide Drainage Improvements	\$2,500,000	\$2,500,000	\$2,500,000	
	US-6 and US-89 Barrier Replacement	\$800,000			
	I-15; VMS Boards	\$1,000,000			
Juab County	I-15; MP 222 to MP 229 Pavement Repair	\$500,000			
Utah & Wasatch County	US-189; Guardrail Replacement	\$1,000,000	\$2,000,000	\$2,000,000	
Vernal	Vernal Main St. Drainage	\$1,200,000			
Duchesne County	SR-35 Duchesne River Channel Stabilization E. of Tabiona	\$500,000			
Utah County	Deer/Snow fencing Along SR-73	\$500,000			
	SR-114 1600 West intersection Drainage Improvements	\$400,000			
Unprogrammed Balance =		\$150,000	-\$6,500,000	\$500,000	

Contingency

PIN	Description	Amount	Partnership
15837	US-191 Culvert Repair	\$500,000	
13009	Additional funding to award Springville project	\$155,934	MAG, Springville
15862	MAG Utah County bike maps	\$1,000	MAG
15864	Springville US-89 & 100 S Ped.Crossing Enhancement	\$20,000	Springville
15894	Wasatch Pallet Spur Relocation UPRR	\$26,460	Spanish Fork
15976	Heber Bypass Study	\$200,000	Wasatch Co., Heber
15639	SR-113 Midway Main St. design - extend to Mitchie Lane	\$10,000	Midway
16003	SF Main Street Study	\$25,000	SF, MAG, UTA
14770	Nephi Main UDOT signs / lighting project	\$14,000	Nephi
10689	Redwood Rd. sidewalk south of Grandview	\$75,000	Saratoga Springs
16189	Nephi trail - Salt Creek concept	\$10,000	Nephi
16206	I-15 Interchange Modeling	\$20,000	MAG
14688	SNAP program 2017	\$30,000	elementary schools
16352	Redwood Rd. Trail Pioneer Xing to Dalmore	\$40,000	Saratoga Springs
16367	Orem State St. Transit Study	\$50,000	MAG, AF, Lindon, Orem, Provo, UTA
16368	UVU AreaTransportation Study	\$50,000	UVU, Orem, MAG, UTA
16369	North Lakeshore Major Highways Corridors Study	\$50,000	MAG, Eagle Mt., Saratoga Springs, Lehi, AF
16254	Maintenance Shed Connectivity	\$50,000	Central Maintenance, ITS
16371	Springville SR-77 & 950 W SW Corner Sidewalk	\$20,000	Springville
16370	Vineyard Connector AF Alignment Study	\$150,000	MAG, AF, Lehi
	Total Obligated (FY 2018)	\$1,497,394	
	Money returned	\$394,341	
	Current Balance	\$456,438	

From Bill's Report (01/16/2018)

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**Studies Total:
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From Bill's Report (01/16/2018)

Contingency

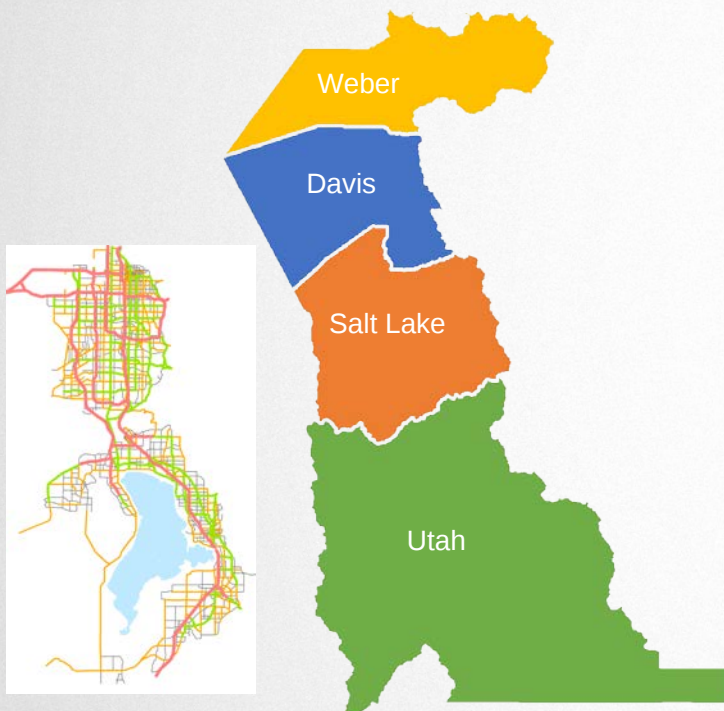
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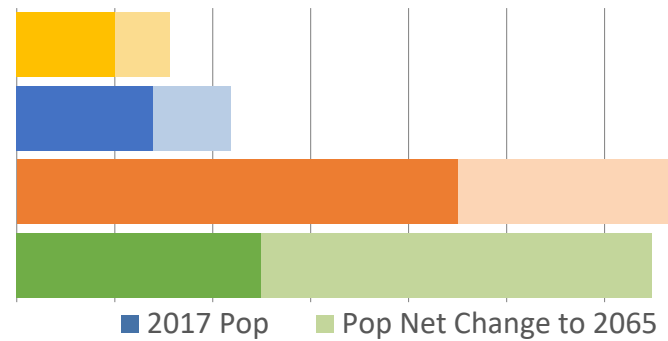
**Construction Total:
\$824,934**

From Bill's Report (01/16/2018)

Challenges



0 250k 500k 750k 1.0m 1.3m 1.5m



- Utah Co almost triples in size by 2065
- Utah Co outpaces SL, Davis, Weber combined
- 4 out of every 10 new people statewide will live in Utah Co

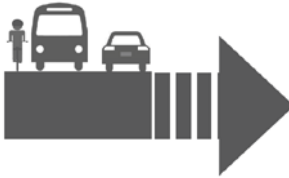
Management Strategies

Relationship Building & Strategic Communications



- Partnering
- Visioning

Planning



- Corridor Agreements
- Long-Range Plans

Policy Support



- Access Management
- Corridor Preservation

Multi-Modal Solutions



- Utilize all Solutions – All Modes