

## Chapter 6 – Existing and Proposed Transportation Facilities

### Methodology

As discussed in Chapter 4, the Dixie MPO’s CUBE modeling platform was used to analyze the transformation of traffic demands as conditions change in the future. The CUBE Model applied mathematical forecasting formulas to population growth, job growth, land use changes, socio-economic data, expected trip generations, trip distributions, and mode choice of travelers (transit vs. cars vs. walking/biking).

These forecasts were then imposed on the existing road networks, transit facilities, and pedestrian trails. Then projects were conceptualized to address the forecast changes in traffic congestion by identifying “hotspots” in each phase of the plan.

Phase One looked at the changes expected in years 2023 to 2032. The associated project list was then created to address traffic congestion hotspots anticipated by 2032 together with the forecast changes in population, job creation, etc.

Phase Two looked at travel demand changes from 2033 to 2042 with a similar project list to address those additional traffic demands anticipated by 2042.

Likewise, Phase Three looks to the 2050 horizon.

### Current Network

An inventory of the current MPO road network is best noted through use of the Traffic Congestion 2050 - No-Build map in Appendix B. The roads noted in red and black indicate areas of concern or traffic congestion in 2050 if no additional projects are built.



### Future Network

The Traffic Congestion 2050 - Build map, also included in Appendix B illustrates areas of concern, or traffic congestion in the year 2050 assuming that the plan projects are all built and in use at that time. Again, roads noted in red and black indicate areas of concern or traffic congestion in 2050 after all planned projects are built.

## Projects and Phasing

The next several pages list a variety of transportation projects identified using the methodology outlined in chapters 3, 4, and 5 above. Projects range from highway widening to bridge and overpass construction, as well as proposed new corridors. Additionally, some UDOT projects of interest are listed even though they may lie outside the MPO boundaries because those corridors provide vital transportation connections to Urban area residents.

The Projects and Phasing Map is also included in Appendix B. The legend to the right is used for project phase identification on the Projects and Phasing Map and in the list below:

### **Legend**

#### **Highway Site Project**

- Funded
- Phase I (2023-2031)
- Phase II (2032-2041)
- Phase III (2042-2050)

#### **Highway Linear Projects**

- Funded
- Phase I (2023-2031)
- Phase II (2032-2041)
- Phase III (2042-2050)
- Unfunded

# 2023 PLAN

## Phase 1 (2023-2032)

November 9, 2023

Project #	Route	Category	City	Length	Phase Need	Project Description	Project Concept	Estimated Cost in 2022 dollars
1.a		Regional	I	3.00	1	Old Highway 91 (I), 200 E to 600 W	Reconstruction	Const./Funded
1.b		Regional	I		1	Old Highway 91 (I), 600 W to Shivwits Reservation		24,804,000
3		Regional	SC	0.70	1	Red Mountain Drive, Pioneer Parkway to Western Corridor	New Construction	8,550,000
6		Regional	SG	3.00	1	Gap Canyon Pkwy -- from Sunbrook Drive to Dixie Drive	New Construction	18,720,000
7	SR-8	State	UDOT	1.48	1	Sunset Blvd. widen to 6-lanes from Valley View Dr to 1400 W	Minor Widen/Striping	6,552,000
8		Regional	SG	2.10	1	Little Valley Road, Widen from 2830 South to Commerce Drive	Widen/Reconstruct	4,770,000
9		Regional	SG	0.90	1	Southern Hills Parkway Phase I, Banded Hills Dr. to Commerce Dr.	New Construction	6,344,000
11		Regional	SG	0.25	1	Tech Ridge Dr. to Black ridge Dr.	Developer New Const.	-
12.a	SR-18	State	UDOT	2.00	1	SR-18 Segment 1: from St. George Blvd to Main Street / Drainage & Intersections	Intersection Improvements	Const./Funded
13		Regional	SG	2.80	1	Desert Color Pkwy from Lagoon Pkwy to So. Pkwy Exit 3 w/interchange	Developer New Const.	-
15		Regional	SG	1.40	1	100 South, Widen from 700 East to Bluff St	Re-Striping	27,000
17		Regional	SG	1.00	1	700 South, Widen from 700 East to Bluff St	Re-Striping	20,400
23		Regional	SG	0.90	1	Commerce Drive- extend road from Little Valley Rd. to Southern Hills Pkwy w/bridge	Widen/Reconstruct	900,000
25		Regional	W	0.50	1	Red Hills Parkway (W), Middleton Dr. to Green Springs	Widen/Reconstruct	4,680,000
27		Regional	SG	2.70	1	Southern Hills Pkwy from Commerce Drive to Southern Parkway Exit 5 /bridge	New Construction	24,752,000
30		Regional	W	1.00	1	Green Springs and Telegraph Intersection Improvements	Widen/Reconstruct	2,080,000
31		Regional	SG	2.02	1	3000 East from 1580 South to Horseman Park Dr. - 5 Lane Road	Developer New Const.	-

32		Regional	SG	0.20	1	Wal-Mart / Home Depot Connection between Washington & St. George	New Construction	1,890,000
34.b		Regional	W	1.00	1	George Washington Blvd. from 240 West to Washington Fields Road	Developer New Const.	
34.c		Regional	W	1.00	1	George Washington Blvd. from Camioreal Rd Southern Corridor	New Construction	Const./Funded
35		Regional	SG / W	1.30	1	Merrill Road from 3000 E. (SG) to 20 E (W)	Widen/Reconstruct	11,700,000
36	I-15	State	UDOT	1.00	1	I-15 Milepost 11 Interchange and Corridor Lane Widening, MP 10 to MP 13	New Construction	Const./Funded
37		Regional	W	0.90	1	Wash. Fields Road, Lost Ridge Dr. to George Wash Blvd. (Phase IV A & B) Widening	Developer New Const.	10,608,000
39		Regional	W	2.90	1	Washington Fields Road from Warner Valley Road to Airport Parkway	Developer New Const.	-
42		Regional	H	1.50	1	Purgatory Road	New Construction	39,936,000
43a	SR-9	State	UDOT	1.00	1	SR-9 Segment 2: Purgatory Rd. (5300 W) Interchange	New Interchange	50,325,000
43b	SR-9	State	UDOT	1.00	1	SR-9 Segment 3: Telegraph Street Interchange	New Interchange	55,000,000
46		Regional	H	3.60	1	Turf Sod Road from 4300 West to Southern Parkway	New Construction	31,680,000
48		Regional	H	0.70	1	2800 West, SR-9 to 600 North	New Construction	Const./Funded
50		Regional	H	0.60	1	2300 South from 3400 West to 700 West (Phase I-III along sewer ROW)	Widen/Reconstruct	37,024,000
51		Regional	H	2.50	1	3000 South from 1150 West to 3000 West	New Construction	23,040,000
52		Regional	H	0.60	1	1400 West Street from SR-9 to 600 North	New Construction	5,310,000
53		Regional	H	0.50	1	1150 West Street, from 600 North to SR-9	Widen/Reconstruct	2,655,000
54		Regional	H	2.20	1	700 West from 600 North to Airport Road	Widen/Reconstruct	7,920,000
55		Regional	SG		1	Traffic Control Center ITS	ITS	600,000
58		Regional	H	2.46	1	3400 West from Dixie Springs Drive to SR-9	New Construction	23,130,000
60		Regional	SG	0.50	1	100 South Underpass at I-15 in St. George	Widen/Reconstruct	14,040,000
61.a		Regional	I	0.50	1	Western Corridor North (I), Old Highway 91 to 400 East	New Construction	4,888,000
61.b		Regional	SC/I	0.90	1	Western Corridor North, 400 East City Boundary to City Boundary	New Construction	8,528,000

61.c		Regional	I	1.20	1	Western Corridor North (I), City Boundary to Snow Canyon Parkway	New Construction	11,440,000
62		Regional	SG/SC	1.52	1	Connector road from Old Hwy 91 to Gap Canyon Pkwy in St. George	New Construction	22,152,000
64		Regional	SG	0.54	1	Cloud Drive Phase 2 - Indian Hills Drive to Dixie Drive	New Construction	3,780,000
66		Regional	SG	2.70	1	Hidden Valley Drive Frontage Road - east side of I-15 from MP 2 to MP 4	New Construction	16,016,000
68		State	UDOT	4.60	1	Northern Corridor Phase 1 (First 2 Lanes)	New Construction	45,760,000
69.a		Regional	SG		1	River Road, Widening/intersection improvements, Blvd. to Riverside Dr.	Widening	15,392,000
69.b		Regional	SG	4.50	1	River Rd, Widening/intersection improvements, Boulder Springs Rd to Brigham Rd	Widening	25,480,000
75	SR-7	State	UDOT	1.00	1	SR-7 Desert Canyon Dr to Airport Access (2nd barrel)	New Construction	18,512,000
83		State	UDOT		1	I-15 Widening from MP 6-8	Widen	Const./Funded
90		Regional	SG	0.50	1	1450 South Extension to Crosby Way	New Construction	13,832,000
95	SR-9	State	UDOT	3.20	1	SR-9, increase capacity from SR-59 to Southern Parkway	Widen/Reconstruct	65,000,000
97		Regional	SG	3.00	1	Cottonwood Springs Dr from Red Hills Pkwy to Northern Corridor	New Construction	10,080,000
113		Regional	W	3.00	1	Long Valley Road	Developer New Const.	-
116		Regional	H	1.20	1	Sand Hollow Road from SR-9 to Southern Parkway	Widening	97,400,000
117		Regional	SG	1.50	1	Airport Parkway from North Airport Access to West Airport Rd	New Construction	12,150,000
127		State	UDOT	3.30	1	Construct Toquerville Bypass or Widen/Reconstruct SR-17 from MP1.1 to I-15	New Construction	Const./Funded
129		Regional	SG	0.50	1	700 South widening under I-15 in St. George	Widen/Reconstruct	13,624,000
130		Regional	W	0.90	1	4750 South from Airport Parkway to Washington Fields Road	Developer New Const.	4,160,000
143	SR-34	State	UDOT	0.50	1	SG Blvd/Red Cliffs Dr - Intersection improvements	Widen/Reconstruct	5,000,000
144		Regional	SG	0.40	1	1000 East- Widen to 5-lanes from SG Blvd to Red Hills Parkway	Widen/Reconstruct	3,000,000
145	I-15	State	UDOT	12.00	1	I-15 New Exit 7 Interchange	New Interchange	50,000,000
150		Regional	SC	1.50	1	1700 N. from Santa Clara Dr to Western Corridor Connector Road	New Construction	3,870,000

151		Regional	SG	0.90	1	Crimson Ridge Dr (SG/W) from 3300 East to 2450 S	Developer New Const.	-
154	I-15	State	UDOT	0.50	1	I-15 Interchange Improvements at MP 4	Widen/Reconstruct	26,400,000
160		Regional	SG	1.40	1	White Dome Rd. from River Road to Southern Hills Parkway	New Construction	3,240,000
172		Regional	W	0.50	1	Southern Parkway New Interchange at George Washington Boulevard	Developer New Const.	-
173	SR-9	State	UDOT	3.00	1	SR-9 Segment 1: VR Bridge to SR-7 Reconstruct / Split Diamond Interchange	Reconstruct w/ Interchange	85,500,000
176		Regional	W		1	Foothill Drive Extension from 100 E (W) to 750 North (SG)	New Construction	5,760,000
177		Regional	W		1	240 West from Merrill Road to Southern City Limits	Developer New Const.	-
178		Regional	W		1	300 East from Merrill Road to 3650 South	Developer New Const.	-
179		Regional	W		1	Tortoise Rock Road from Buena Vista Boulevard to Washington Parkway	Developer New Const.	-
180		Regional	W		1	20 East from Merrill Road to Southern City Limits	Developer New Const.	-
181		Regional	W		1	Washington Fields Road and Washington Dam Road Intersection Improvements	Intersection	-
182		Regional	W		1	850 North Extension from 3050 E (SG) to 840 S (W)	Developer New Const.	-
183		Regional	SG		1	SR-7 Frontage Road from Exit 5 to Exit 6	SG City / Developer	4,455,000

**Phase 1**

		<b>State Needs</b>	<b>\$ 400,205,000</b>
		<b>State Funding</b>	<b>\$</b>
114%		<b>Assumption</b>	<b>351,274,232</b>
		<b>Regional Needs</b>	<b>\$ 584,427,400</b>
		<b>Regional Funding</b>	<b>\$</b>
105%		<b>Assumption</b>	<b>556,118,987</b>

*Continued on Other Side*

**Phase 2 (2033-2042)**

Project #	Route	Category	City	Length	Phase Need	Project Description	Project Concept	
2		Regional	I	1.50	2	Red Mountain Blvd. (200 East) (I), Old Highway 91 to Center Street	Reconstruction	\$ 13,230,000
78		Regional	SC	1.50	2	Pioneer Parkway, Lava Flow Drive to Red Mountain Drive	Widen to 5 lanes	23,800,000
80		Regional	SG	1.90	2	Dixie Dr - Widen to 7-lane section from Gap Canyon Pkwy Dr to Blackridge	New Construction	20,400,000
81		Regional	SG	0.50	2	New Interchange at West end of Northern Corridor	Widen/Reconstruct	55,000,000
84	I-15	State	UDOT	3.00	2	I-15 Widening (4th Lane) in Southbound direction from MP 16-13	Widen/Reconstruct	20,240,000
87		Regional	SG	1.80	2	Quality Drive from Commerce Dr to Hidden Valley Rd	New Construction	13,860,000
88	I-15	State	UDOT	0.30	2	Leeds North Interchange @ MP 23.7	Interchange Upgrade	74,000,000
92		Regional	H	2.70	2	3300 South from Rlington Parkway to 3000 West	New Construction	9,720,000
93		Regional	H	2.60	2	1500 South from 700 West to 3000 West	New Construction	25,740,000
96		Regional	EWC	2.50	2	Toquerville to Leeds Connector Road	New Construction	49,200,000
98		Regional	H	2.00	2	1500 West from 1300 South to 3000 South	New Construction	20,160,000
100		Regional	SG	1.00	2	Connector Road from Southern Hills Pkwy to West Airport Rd	New Construction	16,600,000
101		Regional	H	7.00	2	1150 West from 2300 South to 4700 South (Phase III)	New Construction	35,460,000
103		Regional	SG	4.30	2	Airport Loop Road from Banded Hills to Airport Parkway	New Construction	26,200,000
106		Regional	W	0.70	2	Extend Main Street to 100 East, south of 400 South	New Construction	2,160,000
107		Regional	W	0.80	2	Washington Fields Rd. - 3650 So. to Stucki Farms widen to 5-lanes (Phase V.b)	Developer New Const.	-
108		Regional	W	1.10	2	Wash. Fields Road - Stucki Farms to Warner Valley Rd. 5-lane section (Phase VI.b)	Developer New Const.	-
109	SR-7	State	UDOT	4.00	2	So. Parkway Segment IIIa (SG & W), Airport to Warner Valley Road (2nd Barrel)	New Construction	64,800,000
110		Regional	SG/W	1.50	2	So. Pkwy East Frontage Road from Deseret Canyon Dr to So. Pkwy Interchange 9	New Construction	63,400,000
112	SR-7	State	UDOT	4.00	2	So. Parkway Segment IIIb, Warner Valley Rd. to Washington Dam Rd. (2nd Barrel)	New Construction	88,200,000

115	SR-7	State	UDOT	3.20	2	So. Parkway Segment IVa, Wash. Dam Rd to Sand Hollow (2nd barrel)	New Construction	65,400,000
118		Regional	H	0.40	2	130 North from 3400 West to 3700 West	New Construction	3,510,000
119		Regional	H	1.30	2	200 North from 2800 West to 3400 West	New Construction	10,440,000
120		Regional	H	4.90	2	3000 West from 150 South to Southern Parkway	New Construction	47,700,000
121	SR-7	State	UDOT	4.60	2	So. Parkway Segment IVb, Sand Hollow to 3000 S (2nd Barrel)	New Construction	90,200,000
122	SR-7	State	UDOT	3.30	2	So. Parkway Segment V, 3000 S to SR-9 (2nd Barrel)	New Construction	66,200,000
123		Regional	H	4.60	2	2750 West from 150 South to 3000 West	New Construction	69,840,000
124		Regional	H	2.70	2	1300 South from 200 West to 3000 West	New Construction	30,060,000
125.a		Regional	H	6.80	2	Rlington Parkway from 400 South to 3000 South	New Construction	53,190,000
125.b		Regional	H	6.80	2	Rlington Parkway from 3000 South to 4700 South/1100 West Intersection	New Construction	
126		Regional	H	1.30	2	1150 West from 400 South to 2300 South (Phase II)	Reconstruction	18,270,000
128		Regional	SG		2	Traffic Control Center ITS	ITS	600,000
131		Regional	W	1.30	2	Interchange 8 Road from Airport Parkway to SP East Frontage Road	New/Developer	-
153	I-15	State	UDOT	2.00	2	I-15 Lane Widening from MP 2-4	Widen	55,440,000
157		Regional	H	1.60	2	SR-9 South Frontage Road, Southern Parkway to Sand Hollow Road	Developer New Const.	32,400,000
158		Regional	H	0.70	2	3000 West, 200 North to 600 North	Developer New Const.	6,120,000
167		Regional	H	0.50	2	2800 West, 600 North to North City Limits	Shared City/Developer New	-
168		Regional	L	1.00	2	North Babylon Road from Leeds/Toquerville Connector to Leeds Main Street	New Construction	21,200,000
175		Regional	W		2	2000 South Widening (Wash. City)	Developer Widening	-

**Phase 2**

**State Needs**

**\$  
524,480,000**



110% **State Funding Assumption** 477,312,689

**Regional Needs** \$ 668,260,000  
 109% **Regional Funding Assumption** \$ 611,243,895

### Phase 3 (2043-2050)

Project #	Route	Category	City	Length	Phase Need	Project Description	Project Concept	
76		Regional	I	1.10	3	Kwavasa Drive (I) in Kayenta	Widen/Reconstruct	37,800,000
77		State	UDOT	10.00	2	Western Corridor, Sun River Parkway to Gap Canyon Pkwy (1st Barrel)	New Construction	79,352,000
82		State	UDOT	7.20	2	Northern Corridor - Phase 2 (Second 2 Lanes)	New Construction	45,760,000
85		Regional	SG	0.50	2	Man O War I-15 Crossing between Pioneer Rd to Hidden Valley Dr	New Construction	35,000,000
86		Regional	W	5.10	3	Pecan Road through Warner Valley (Warner Valley Road to So. Parkway)	New Construction	89,000,000
89		Regional	SG	3.00	3	400 East I-15 Ped Tunnel Crossing	New Construction	14,080,000
94		Regional	SG	1.90	2	River Road, Widen to 5-lane section from Enterprise Dr to So. Pkwy	Widening	40,600,000
114		Regional	W	1.50	3	Warner Valley Road from Southern Parkway to the road through Warner Valley	New Construction	28,400,000
135	SR-9	State	UDOT	3.50	2	SR-9 (LV), Widen from SR-17 to La Verkin eastern city limit	New Construction	31,600,000
136		Regional	SG		3	Traffic Control Center ITS	ITS	-
137	SR-59	State	UDOT	3.70	2	SR-59 - Widen from Main St to Hurricane City limits	Widen/Reconstruct	115,600,000
138	SR-9	State	UDOT	6.40	2	SR-9 Segment 4 - Widen to 6-Lanes from I-15 to Southern Parkway	Widen/Reconstruct	127,000,000
139		Regional	H	24.20	3	Warner Valley Road - Extend from Pecan Road to Honeymoon Trail Road	New Construction	82,800,000
140		Regional	SG	1.30	2	Snow Canyon Parkway- Widen to 7-lane section from 2000 N to SR-18	Widen/Reconstruct	29,200,000

147		Regional	SG/W	3.20	2	George Washington Blvd. from River Road to Washington Fields Road	Widen to 7 Lanes	63,200,000
152		Regional	W	1.70	3	Washington Fields Road - Widen from Warner Valley to 3650 S to 7-lane section	Widening	34,200,000
156		Regional	H	1.30	3	Turf Sod Connector Road, Turf Sod Road to Purgatory Road	New Construction	3,870,000
162		Regional	SG	0.60	2	Sunset Blvd, widen to 7-lanes from 1400 West to Dixie Drive	Widening	11,200,000
166		Regional	I	3.00	3	Old Highway 91 (I), Pioneer Parkway to Shivwits	Widen to 5 Lanes	66,000,000
184		Regional	W.Count y			Sheep Bridge Road hard surface	New Construction	

<b>Phase 3</b>		
	<b>State Needs</b>	<b>\$ 399,312,000</b>
	<b>State Funding</b>	<b>\$</b>
110%	<b>Assumption</b>	<b>361,714,025</b>
<b>Regional Needs</b>		<b>\$ 535,350,000</b>
	<b>Regional Funding</b>	<b>\$</b>
88%	<b>Assumption</b>	<b>611,766,749</b>

## Unfunded Needs List

12.b	SR-18	State	UDOT	2.00	2	(Bluff St.) SR-18 Segment 2: from 100 S to Main Street Widen to 7 Lanes	Widen/Reconstruct	34,200,000
91		state	TBD	4.00	3	Babylon Road	New Construction	59,800,000
104	SR-59	State	UDOT	1.20	2	SR-59 from MP 22 to Big Plain Junction	Widening	127,600,000
134	I-15	State	UDOT	11.50	2	I-15 MP Exit 16 to Exit 27 Widening to 3 lanes	Widening	173,800,000
146		State	H	0.10	3	I-15 - Install interchange at 5500 West	New Construction	74,000,000
148		State	TBD	6.70	3	Honeymoon Trail Road from south end of Warner Valley and Southern Parkway	New Construction	42,300,000
149	SR-18	State	UDOT	0.30	2	SB Flyover at the Sunset/Bluff St intersection	Widen/Reconstruct	18,000,000

159	I-15	State	UDOT	0.30	2	I-15 MP 8 Industrial Road direct connect	New Construction	9,600,000
161	I-15	State	UDOT	2.60	2	I-15 MP 13 to MP 16 NB (4th Lane) with 3-lane exit at MP 16	New Construction	26,290,000
169	I-15	State	UDOT	3.00	3	Addition of Aux lanes from Port of Entry to Southern Parkway	Widening	18,700,000
170	I-15	State	UDOT	6.00	2	Addition of NB & SB Aux lanes from Exit 13 to Exit 16	Widening	47,080,000

631,370,000

