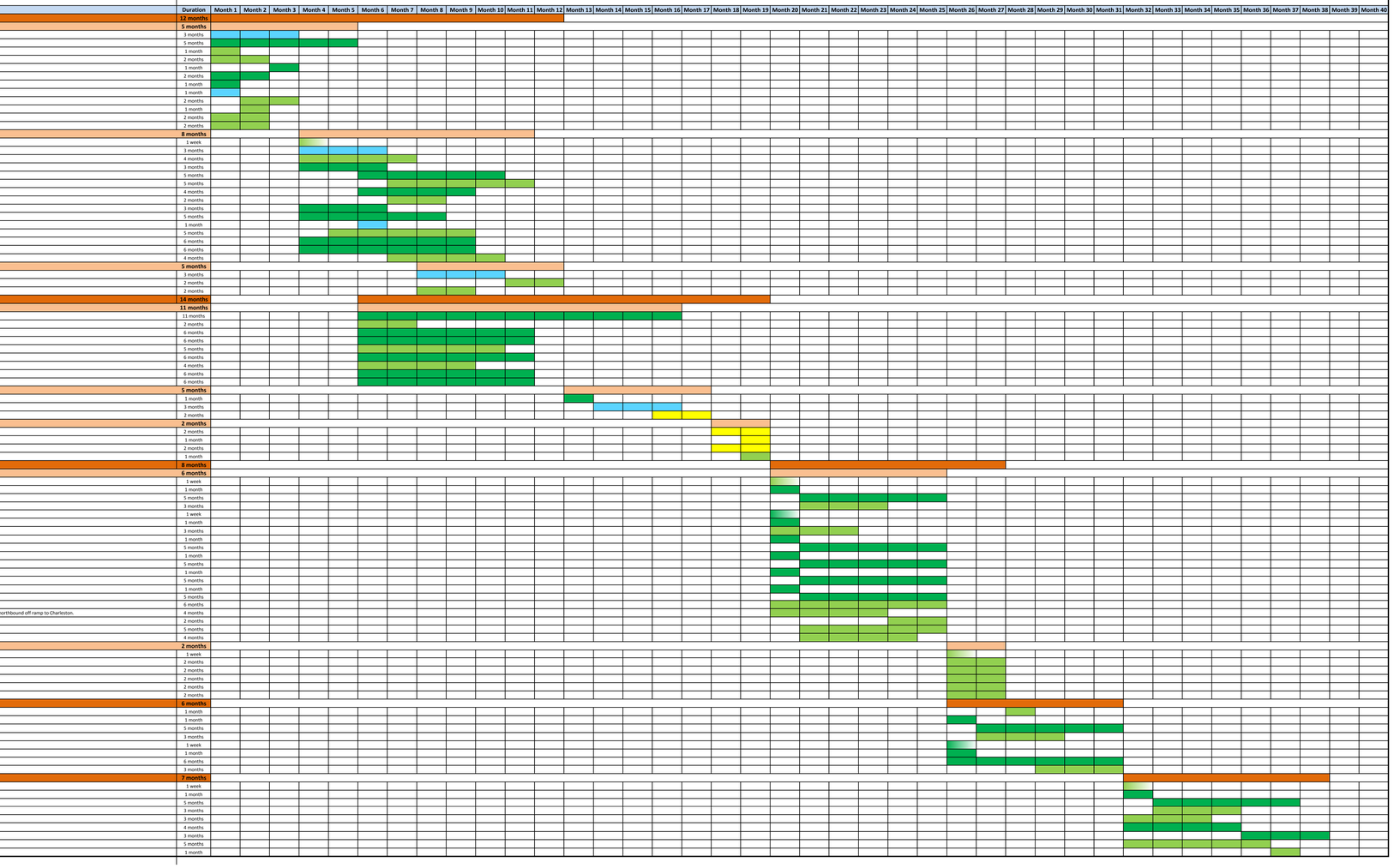
Project NEON DB 1-4 Construction Staging and Schedule

PRE-CONSTRUCTION ACTIVITIES	
	Mobilization and De-Mobilization
	Demolish residential and commercial properties acquired as a part of Neon ROW settings (Accomplished during design phase)
	Furnish and install ATM gantries outside pavement reconstruction limits (Accomplished during design phase)

Stage	Sub-stage	Facility	Activity ID	Construction Activity	Duration
STAGE 1					12 months
	STAGE 1A-X				5 months
		US 95	1A-1	Reconstruct drainage box culvert underneath US 95 SB to I-15 SB (E-S) ramp.	3 months
			1A-2	Demolish existing northbound US 95 structure over MLK and replace with new widened structure	5 months
			1A-3	Begin widening on US 95 northbound, west of MLK.	1 month
			1A-4	Widen southbound US 95 east of Rancho. Also modify Rancho SB on ramp.	2 months
			1A-5	Construct piers for US 95 SB to I-15 SB (E-S) ramp widening	1 month
		HOV Connector	1A-6	Construct Piers 4 through 7, HOV Direct Connector ramp.	2 months
		I-15	1A-7	Construct piers for southbound I-15 structure widening over existing E-N ramp.	1 month
		Grand Central - Western Connection	1A-8	Construct new connection from Western RCB to new RCB on east side of I-15.	1 month
			1A-9	Construct Western/Grand Central connector	2 months
			1A-10	Construct Holsum Lofts connection	1 month
			1A-11	Reconstruct Western between Oakey and the new Westers/Grand Central connector.	2 months
			1A-12	Reconstruct Grand Central from Charleston to north of Outlet Mall Loop Rd.	2 months
	STAGE 1A-Y				8 months
		MLK	1A-13	Close Martin Luther King Blvd (MLK) between the fire station and Oakey for box and roadway construction.	1 week
			1A-14	Install box culvert from south of Oakey to fire station.	3 months
			1A-15	Relocate utilities and reconstruct MLK from Oakey to fire station, reconstruct MLK/Oakey intersection.	4 months
		US 95	1A-16	Construct structure widening for US 95 SB to I-15 SB (E-S) ramp widening	3 months
			1A-17	Demolish existing southbound US 95 structure over MLK and replace with new widened structure	5 months
			1A-18	Construct proposed MLK to southbound US 95 ramp and US 95 E-N ramp modifications. Permanently close existing MLK southbound on ramp.	5 months
		HOV Connector	1A-19	Construct Abutment 2 and Piers 21 through 16 of HOV direct connector ramp.	4 months
		Oakey	1A-20	Reconstruct Oakey Blvd west of MLK	2 months
		I-15	1A-21	Construct southbound I-15 structure widening over the new MLK and E-N ramps.	3 months
			1A-22	Construct the southbound Sahara exit (CD-South) structure over Oakey	5 months
			1A-23	Connect proposed box culvert (LA-14) to existing at Sahara southbound off ramp	1 month
			1A-24	Construct CD-South, south of Oakey and widen Sahara southbound off ramp, reconstruct intersection at Sahara.	5 months
			1A-25	Construct portion of northbound I-15 structure over Oakey and portion of northbound I-15 from Sahara to north of Oakey	6 months
			1A-26	Construct northbound I-15 off ramp structure over Neon Gateway	6 months
			1A-27	Construct Sahara on ramp to NB I-15	4 months
	STAGE 1B				5 months
		MLK	1B-1	Construct drainage box culvert from fire station to west of MLK/Wall St intersection.	3 months
			1B-2	Construct MLK Blvd from fire station to Ellis and connect to existing Desert Lane.	2 months
			1B-3	Construct MLK Blvd from Bearden to Alta including the intersection at Bearden and roadway improvements on Bearden	2 months
STAGE 2					14 months
	STAGE 2A				11 months
		HOV Connector	2A-1	Construct Piers 15 through 8, Frames 5 through 2 of the HOV direct connector ramp.	11 months
		I-15	2A-2	Construct portion of new Charleston on ramp to southbound I-15	2 months
			2A-3	Construct southbound I-15 off ramp structure to Sahara over CD-South.	6 months
			2A-4	Construct portion of new southbound I-15 structure over Alta	6 months
			2A-5	Construct partial southbound I-15 from north of Charleston to Symphony	5 months
			2A-6	Construct CD-South structures over Alta and Symphony and Charleston.	6 months
			2A-7	Construct portion of CD-South from Symphony to south of Charleston	4 months
			2A-8	Construct the structure for future CD-North over Charleston	6 months
		MLK	2A-9	Construct MLK between Ellis and Bearden including structure over Charleston	6 months
	STAGE 2B-P				5 months
		I-15	2B-1	Demolish existing ramp structure over Wall Street	1 month
			2B-2	Construct remaining box culvert from west side of MLK at old Wall Street to the west of I-15 and underneath existing northbound I-15 Charleston "A" off ramp	3 months
			2B-3	Construct temporary connection from northbound I-15 off ramp structure over Neon Gateway to future CD-North structure. Construct temporary offramp to Charleston.	2 months
	STAGE 2B-Q				2 months
		I-15	2B-4	Construct temporary connection from north of future CD-North structure to northbound I-15. Construct temporary onramp from Grand Central.	2 months
			2B-5	Construct temporary connection from CD-South to Sahara ramp structure over Oakey.	1 month
			2B-6	Construct temporary connection from CD-South and proposed southbound mainline south of Symphony.	2 months
			2B-7	Construct tie-in between existing E-S ramp and CD-South	1 month
STAGE 3					8 months
	STAGE 3A			Between NASCAR and Thanksgiving	6 months
		I-15	3A-1	Shift traffic to the outside to temporary connections built in Stage 2B.	1 week
			3A-2	Demolish existing northbound I-15 structure over UPRR, US 95 and northbound I-15 structure over northbound I-15 to MLK ramp.	1 month
			3A-3	Construct new northbound structures over UPRR, US 95 and I-15 North to MLK ramp.	5 months
			3A-4	Construct roadway improvements to northbound I-15 from Symphony to north of US 95.	3 months
			3A-5	Demolish existing northbound I-15 structure over Symphony Pkwy.	1 week
			3A-6	Construct new northbound structure over Symphony Pkwy using ABC methods.	1 month
			3A-7	Construct partial roadway improvements to northbound and southbound I-15, between Alta and Symphony Pkwy	3 months
			3A-8	Demolish existing southbound structure over Alta and a portion of northbound structure.	1 month
			3A-9	Construct remaining portion of new southbound I-15 structure over Alta and also portion of the new northbound I-15 structure over Alta	5 months
			3A-10	Demolish existing southbound and northbound I-15 bridges over Charleston.	1 month
			3A-11	Construct new northbound and southbound I-15 structures over Charleston.	5 months
			3A-12	Demolish existing I-15 structures over Wall St.	1 month
			3A-13	Construct the new northbound I-15 structure over Neon Gateway.	5 months
			3A-14	Demolish existing northbound and southbound I-15 structures over Oakey.	1 month
			3A-15	Construct the new southbound I-15 structure and remaining portion of new northbound I-15 structure over Oakey.	5 months
			3A-16	Construct all remaining improvements to northbound and southbound I-15 and HOV lanes from Oakey to Alta and partial improvements south of Oakey.	6 months
			3A-17	Construct a portion of proposed northbound on ramp from Charleston to I-15 and a portion of the proposed southbound on ramp from Charleston to I-15 and a portion of northbound off ramp to Charleston.	4 months
			3A-18	Construct Neon Gateway and connect to HOV drop ramps and Western.	2 months
		Charleston	3A-19	Construct widening of Charleston between Shadow Ln and UPRR	5 months
		Oakey	3A-20	Reconstruct Oakey from MLK to Western	4 months
	STAGE 3B				2 months
		I-15	3B-1	Shift traffic onto the new freeway built in Stage 3A.	1 week
			3B-2	Construct remaining portion of proposed Charleston northbound off ramp.	2 months
			3B-3	Construct Grand Central slip ramp and Alta slip ramp.	2 months
			3B-4	Construct southbound I-15 Sahara off ramp between the bridge over CD-South and the bridge over Oakey.	2 months
			3B-5	Construct CD-South connection to southbound I-15	2 months
		Iron Horse Loop	3B-6	Construct improvements to Iron Horse Loop	2 months
STAGE 4					6 months
		I-15	4-1	Open proposed northbound off ramp to Charleston and proposed southbound off ramp to Sahara.	1 month
			4-2	Demolish existing southbound I-15 structures over UPRR, US 95 and northbound I-15 to MLK ramp.	1 month
			4-3	Construct new southbound I-15 structures over UPRR, US 95 and northbound I-15 to MLK ramp.	5 months
			4-4	Construct partial roadway improvements to southbound I-15 from Symphony to north of US 95.	3 months
			4-5	Demolish portion of existing southbound I-15 structure over Symphony and existing E-S ramp structure.	1 week
			4-6	Construct portion of new southbound I-15 structure over Symphony using ABC methods.	1 month
			4-7	Demolish existing northbound I-15 structure over Alta and construct remaining portion of new northbound I-15 structure over Alta	6 months
			4-8	Construct northbound and southbound I-15 improvements between Alta and Symphony	3 months
STAGE 5					7 months
		I-15	5-1	Open new northbound Charleston on ramp	1 week
			5-2	Demolish remaining portion of existing southbound I-15 structure over Symphony.	1 month
			5-3	Construct remaining portion of new southbound I-15 structure over Symphony.	5 months
			5-4	Complete roadway improvements on southbound I-15 north of Symphony.	3 months
			5-5	Construct remaining portions of northbound I-15 between Alta and Symphony.	3 months
		HOV Connector	5-6	Construct Piers 1 through 3, Abutment 1, HOV connector, and retaining walls and roadway up to abutment.	4 months
			5-7	Complete construction on Frame 1 of HOV connector.	3 months
		Alta Bonneville	5-8	Complete widening/improvements on Alta Drive under I-15 and Bonneville from new northbound I-15 Alta slip ramp to East of Grand Central.	5 months
			5-9	Re-align World Market Center driveway	1 month



Legend

- Roadway
- Temporary Roadway
- Structures
- Drainage

STATE OF NEVADA
DEPARTMENT OF TRANSPORTATION

PROJECT NEON - DB 1-4 REFERENCE DESIGN

CONSTRUCTION STAGING AND SCHEDULE