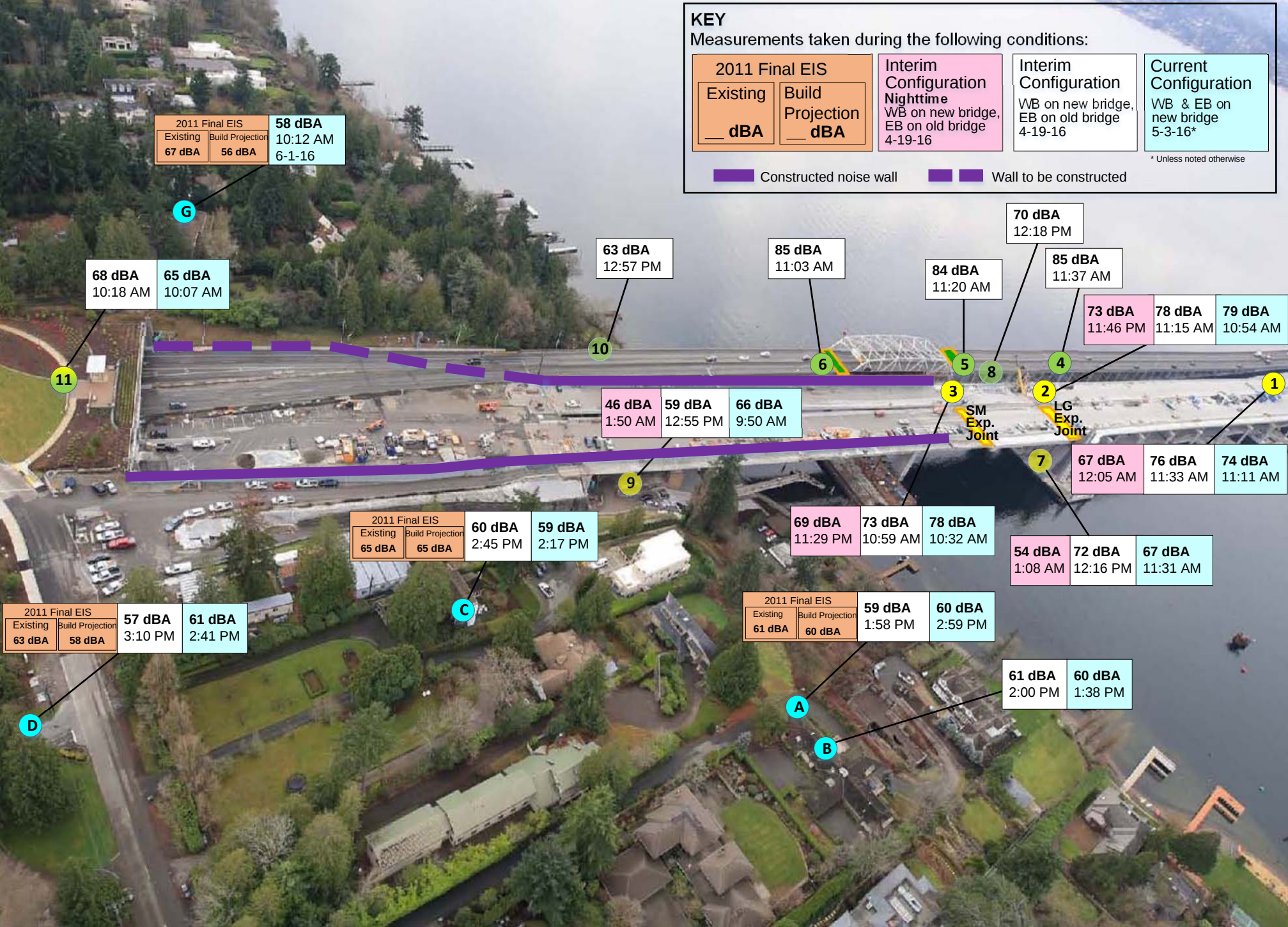




Sound Level Measurements from the New and Old Bridges

	General Location	Location Description
1	Pavement West of Expansion Joints	In EB lanes of new bridge, standing approx. 1,200 feet west of the expansion joints.
2	Large Expansion Joint	In EB lanes of new bridge, standing immediately adjacent to the large expansion joint.
3	Small Expansion Joint	In EB lanes of new bridge, standing immediately adjacent to the small expansion joint.
4	Pavement West of Expansion Joints	In the WB lanes of the old bridge, standing approx. 200 feet west of the expansion joints.
5	Large Expansion Joint	In the WB lanes of the old bridge, standing immediately adjacent to the large expansion joint.
6	Small Expansion Joint	In the WB lanes of the old bridge, standing immediately adjacent to the small expansion joint.
7	Under Large Expansion Joint	On the pontoon below the WB lanes approximately 70 feet directly under the large expansion joint
8	Under Large Expansion Joint	On the pontoon below the EB lanes approximately 70 feet below the expansion joint.
9	East Shoreline Under Bridge – North Side	North side of the new bridge on the road leading to the SR 520 maintenance building
10	East Shoreline Under Bridge - South Side	South side of the old bridge on the road leading to the SR 520 maintenance building.
11	West end Evergreen Point Lid	Standing in the public viewing area on the west side of the Evergreen Point Road lid.



- KEY
- Measurement taken on new bridge
 - Measurement taken on old bridge
 - Measurement taken on new lid
 - Measurement taken at residence

NOTE

All sound level measurements are in **Leq**. The **Leq** or equivalent sound level is the time weighted average sound level over the 15-minute measurement period.

Sound Level Measurements Collected at Nearby Residences

	Residential Address
A	3223 Evergreen Point Rd, Medina (outside house)
B	3223 Evergreen Point Rd, Medina (on 2nd floor balcony)
C	3205 Evergreen Point Road, Medina
D	3204 76th Ave NE, Medina
E	8901 NE 34th St, Yarrow Point
F	3245 Evergreen Point Road, Medina
G	2839 Evergreen Point Road, Medina
H	Three Points Elementary School, Medina



Washington State
Department of Transportation

SR 520 Bridge Replacement and HOV Program



Sound Level Measurement Results

Site number	Location	Date	Time	Leq (dBA)	Lmax (dBA)
1	Pavement West of Exp. Joints	4/19/16	11:33 a.m.	76	93
		4/19/16	12:05 a.m.	67	90
		5/3/16	11:11 a.m.	74	89
2	Large Exp. Joint	4/19/16	11:15 a.m.	78	92
		4/19/16	11:46 p.m.	73	92
		5/3/16	10:54 a.m.	79	91
3	Small Exp. Joint	4/19/16	10:59 a.m.	73	86
		4/19/16	11:29 a.m.	69	88
		5/3/16	10:32 a.m.	78	92
4	Pavement West of Exp. Joints (old)	4/19/16	11:37 a.m.	85	94
5	Large Exp. Joint (old)	4/19/16	11:20 a.m.	84	94
6	Small Exp. Joint (old)	4/19/16	11:03 a.m.	85	97
7	Pontoon Under Large Exp. Joint	4/19/16	12:16 p.m.	72	99
		4/19/16	1:08 a.m.	54	69
		5/3/16	11:31 a.m.	67	75
8	Pontoon Under Large Exp. Joint (old)	4/19/16	12:18 p.m.	70	86
9	East Shoreline Under Bridge North Side	4/19/16	12:55 p.m.	59	71
		4/19/16	1:50 a.m.	46	66
		5/3/16	9:50 a.m.	66	80
10	East Shoreline Under Bridge South Side (old)	4/19/16	12:57 p.m.	63	74
11	West end Evergreen Point Lid	4/19/16	10:18 a.m.	68	80
A	3223 Evergreen Point Rd, Medina (Outside house)	5/13/16	10:07 a.m.	65	80
		4/20/16	1:58 p.m.	59	71
		5/3/16	2:59 p.m.	60	72
B	3223 Evergreen Point Rd, Medina (On 2nd floor balcony)	4/20/16	2:00 p.m.	61	72
C	3205 Evergreen Point Road, Medina	5/3/16	1:38 p.m.	60	71
		4/20/16	2:45 p.m.	60	75
		5/3/16	2:17 p.m.	59	71
D	3204 76th Ave NE, Medina	4/20/16	3:10 p.m.	57	76
E	8901 NE 34th St, Yarrow Point	5/3/16	2:41 p.m.	61	85
		4/20/16	3:40 p.m.	54	68
		5/3/16	1:09 p.m.	51	70
F	3245 Evergreen Point Road, Medina	5/10/16	11:08 a.m.	57	72
G	2839 Evergreen Point Road, Medina	6/1/16	10:12 a.m.	58	75
H	Three Points Elementary School, Medina	6/1/16	10:38 a.m.	60	80

Summary table of measurements taken by WSDOT experts in April through June 2016.
See reverse side for map of locations.