

Sir Francis Drake Boulevard Corridor Rehabilitation

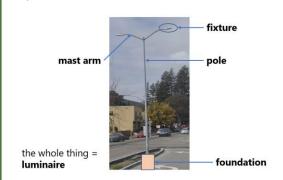
Lighting Assessment Update

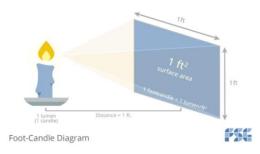
Meeting Agenda & Objectives

- Refresher of Previous Discussion
- Additional Analysis & Design Refinement
- Presentation of Our Recommended Modifications (And Expected Outcomes)

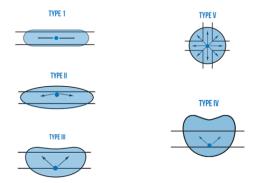
Refresher of Previous Discussion

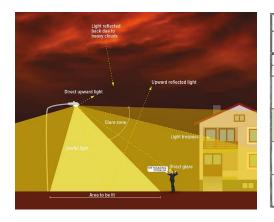
Refresher





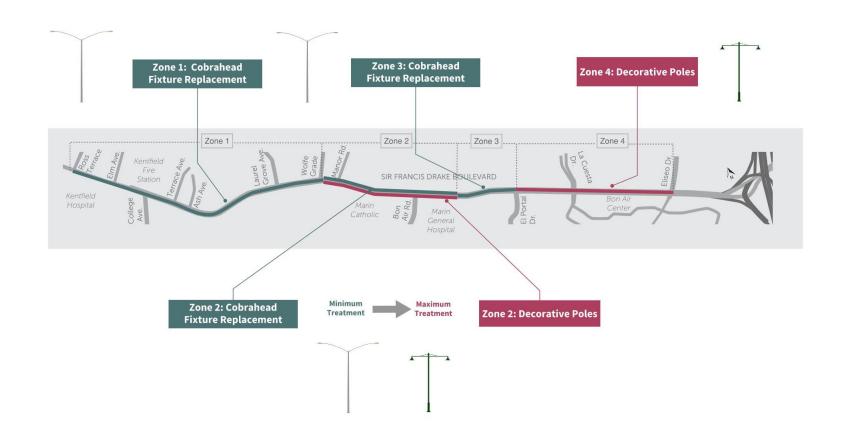






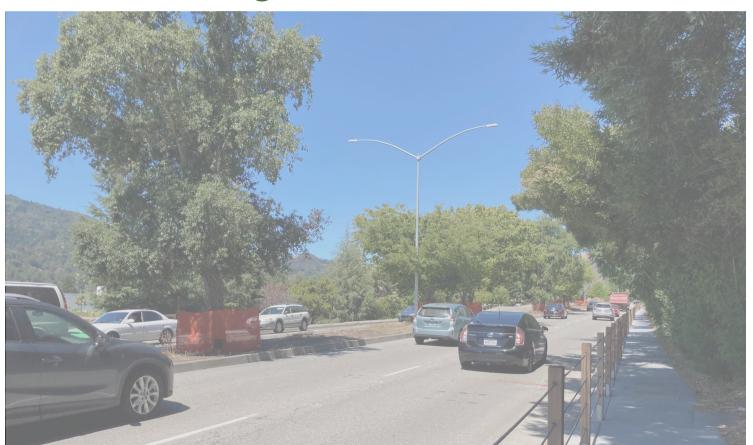
Road and Pedestrian Conflict Area		Pavement Classification (Minimum Manintained Average Values)			Uniformity Ratio	Veiling Luminance
Road	Pedestrian	R1	R2 & R3	R4	E _{avg} /E _{min}	Ratio
	Conflict Area	lux/fc	lux/fc	lux/fc		L _{vmax} /L _{avg}
Freeway Class A		6.0/0.6	9.0/0.9	8.0/0.8	3.0	0.3
Freeway Class B		4.0/0.4	6.0/0.6	5.0/0.5	3.0	0.3
Expressway	High	10.0/1.0	14.0/1.4	13.0/1.3	3.0	0.3
	Medium	8.0/0.8	12.0/1.2	10.0/1.0	3.0	0.3
	Low	6.0/0.6	9.0/0.9	8.0/0.8	3.0	0.3
Major	High	12.0/1.2	17.0/1.7	15.0/1.5	3.0	0.3
	Medium	9.0/0.9	13.0/1.3	11.0/1.1	3.0	0.3
	Low	6.0/0.6	9.0/0.9	8.0/0.8	3.0	0.3
Collector	High	8.0/0.8	12.0/1.2	10.0/1.0	4.0	0.4
	Medium	6.0/0.6	9.0/0.9	8.0/0.8	4.0	0.4
	Low	4.0/0.4	6.0/0.6	5.0/0.5	4.0	0.4
Local	High	6.0/0.6	9.0/0.9	8.0/0.8	6.0	0.4
	Medium	5.0/0.5	7.0/0.7	6.0/0.6	6.0	0.4
	Low	3.0/0.3	4.0/0.4	4.0/0.4	6.0	0.4

Overview of Potential Solutions





Zone 2 Existing





Zone 2 Decorative Poles





Zone 4 Existing



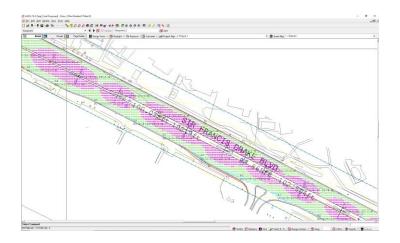


Zone 4 Decorative Poles



Additional Analysis & Design Refinement

Refined Analysis



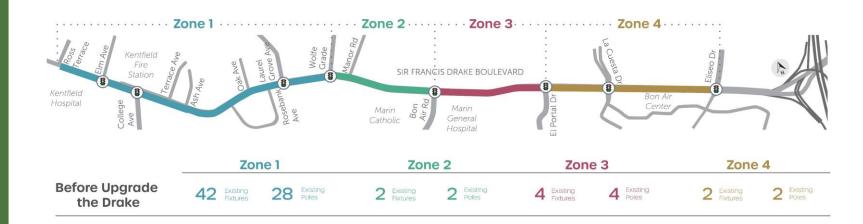




Recommended
Modifications (And
Expected Outcomes)

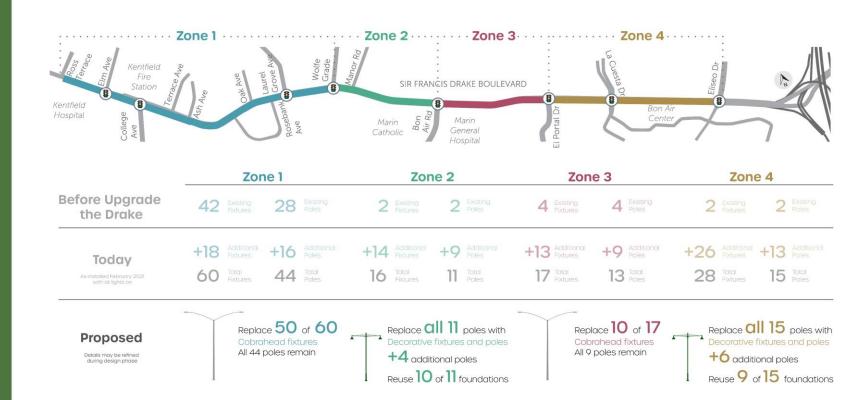


FIXTURE AND POLE CHANGES Sir Francis Drake Lighting Update



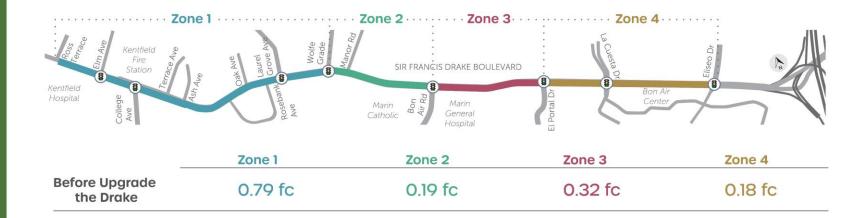
FIXTURE AND POLE CHANGES Sir Francis Drake Lighting Update





DRAFT 202

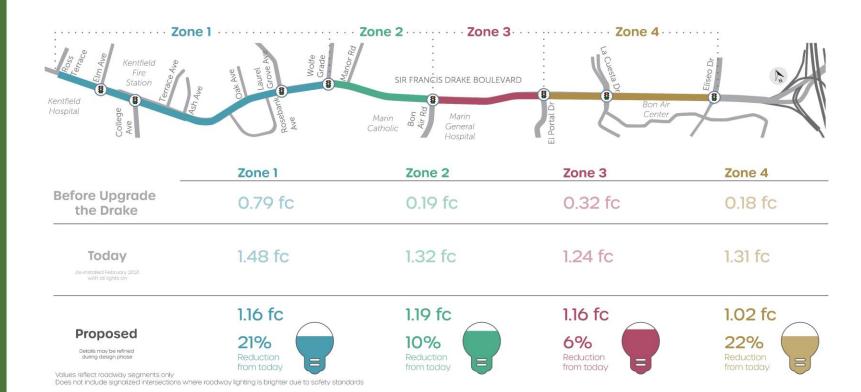
AVERAGE ROADWAY BRIGHTNESSSir Francis Drake Lighting Update



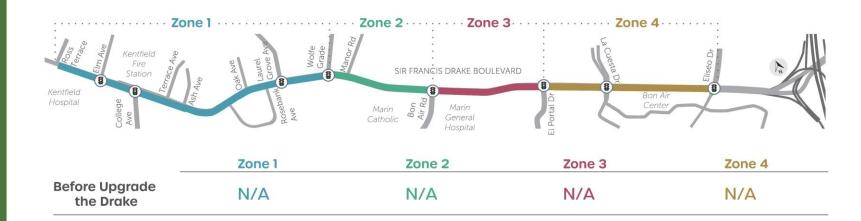
AVERAGE ROADWAY BRIGHTNESSSir Francis Drake Lighting Update



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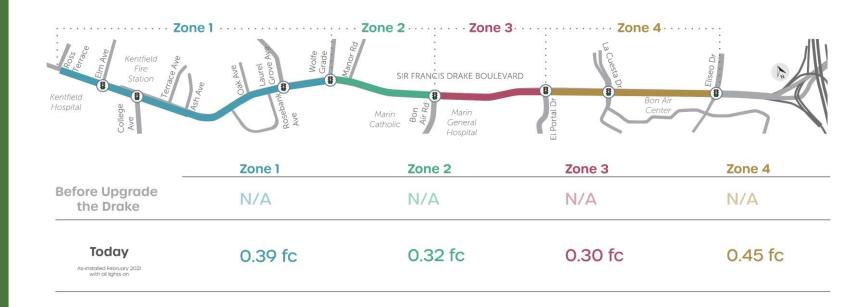


AVERAGE BRIGHTNESS OF LIGHT SPILLOVERSir Francis Drake Lighting Update



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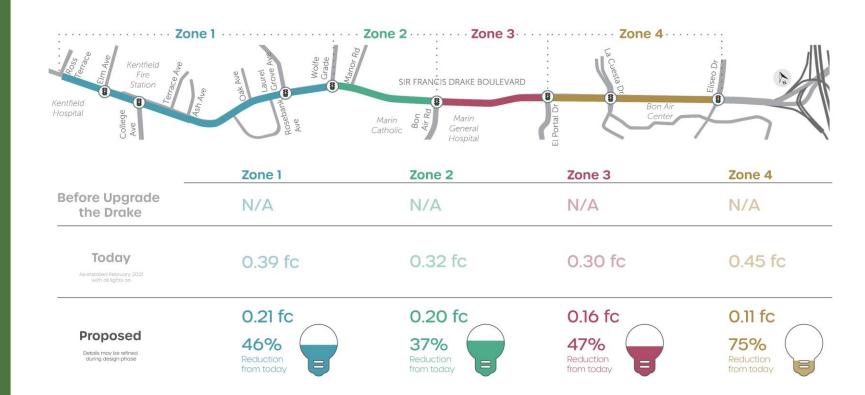
AVERAGE BRIGHTNESS OF LIGHT SPILLOVER Sir Francis Drake Lighting Update



AVERAGE BRIGHTNESS OF LIGHT SPILLOVER

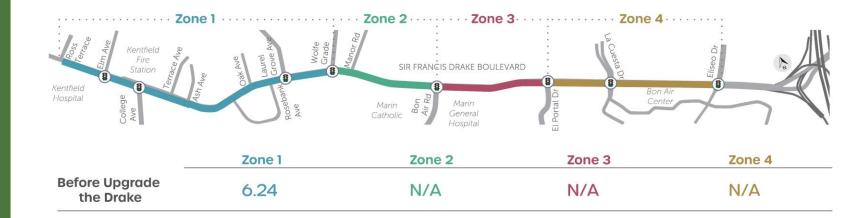
Sir Francis Drake Lighting Update

DRAFT 202



DD4 FT 000

UNIFORMITY (LIGHT CONSISTENCY) Sir Francis Drake Lighting Update

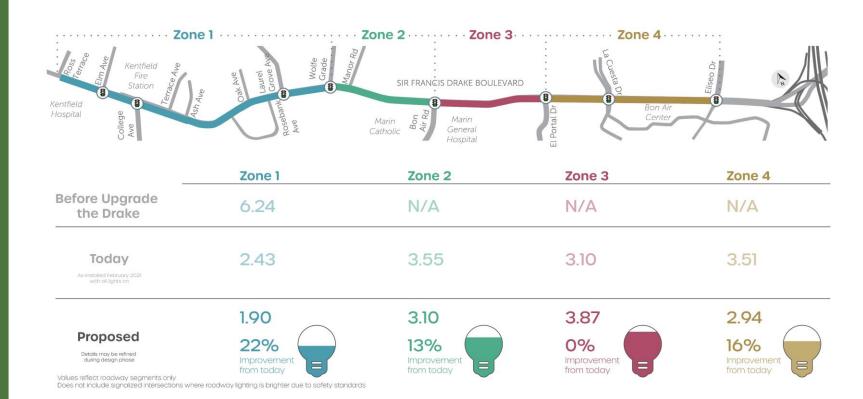


DEALT 202

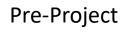
UNIFORMITY (LIGHT CONSISTENCY) Sir Francis Drake Lighting Update

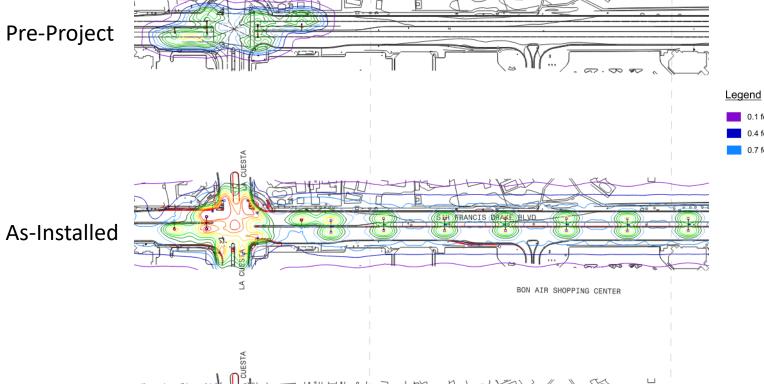


UNIFORMITY (LIGHT CONSISTENCY) Sir Francis Drake Lighting Update

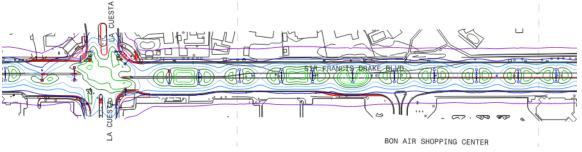


Comparisons

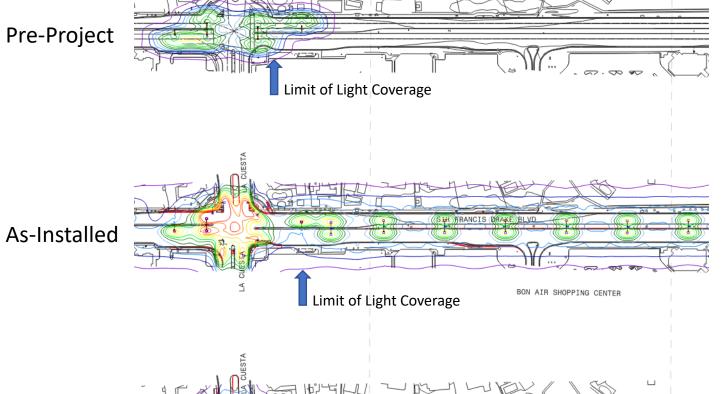




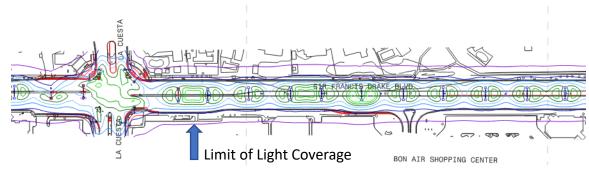
Proposed







Proposed



Legend

