Attachment A: 2021 and 2022 Engineering Safety Improvements

Improvement Type	Subtype	Quantity	Location	Scope of Enhancements	Construction Start	HIN	Priority Neighborhood
			2021 Safety Improv	vements			
			69th Ave (International Blvd to	l l			
Capital	Complete Streets	:	Hamilton St)	Pedestrian lighting	2021	No	Highest
		:	1				
Capital	Complete Streets		Telegraph (29th to MacArthur)	road diet, high visibility crosswalks, bus boarding islands	2021	Yes	Medium
			1	ped lighting, landscaping, bike lanes, sidewalk widening,			
Capital	Complete Streets		7th Street (Wood to Peralta)	paving, curb ramps, bulb-outs, intersection improvements	2021	No	High
Capital	Complete Streets	:	International Blvd (11th Ave to 38th Ave)	Ped improvements, lighting	2021	Voc	High
Capital	complete streets			multi-use path, New sidewalk, traffic signal improvements	2021	163	i ngii
			Macarthur (High St to Richards	(new poles, LPIs, high visibility crosswalks), Pedestrian			
Capital	Complete Streets		Rd)	lighting Upgraded temporary Essential Places treatment and	2021	No	Medium
Capital	Essential Places	:	1 14TH ST (Market to Filbert)	Installed concrete bulbouts	2021	Yes	Highest
			Bancroft (Avenal Ave to Church	Installed concrete safety islands in coordination with			
Capital	Essential Places		St)	paving	2021	No	Highest
Capital	Paving		1 23rd Ave (E.12th to E.31st)	curb ramps, continental crosswalks, controlled approach	2021	Yes*	Highest
	10		1	ped refuge islands, bike lanes, road diet, high visibility	2021	1	
Capital	Paving		Park Blvd (E.18th St to McKinley)	crosswalks, curb ramps	2021	Yes	Medium
		1		buffered bike lanes, upgrade curb ramps, pave street, high			
		:	1	visibility crosswalks, protected intersections, pedestrian			
Capital	Paving		West St (W. Grand to 52nd St)	safety islands, speed cushions, raised intersections	2021	Yes	Highest
Capital	Paving		E.18TH ST/Park Blvd (Lakeshore to E.34th St)	pave and change roadway striping	2021	Voc	High
Capital	Toving		Macarthur St (Boston Ave to	pare and enange roadway surping	2021	103	111511
Capital	Paving		Coolidge Ave)	restriped existing bike lanes, high-visibility crosswalks	2021	No	High
Capital	Paving		1 Macarthur Blvd (82nd Ave to 73rd Ave)	ped refuge islands, road diet, high viz crosswalks	2021	Yes	Highest
capital	101115		73iu Avej		2021	103	ing.i.est
		:	Market St (4th St and 7th St to	Crosswalk enhancements- RRFBs, traffic signal upgrade,			
Capital	Traffic Capital Projects		18th St and 19th St)-HSIP 7	ladder striping, raised bulb-outs, raised median refuge	2021	Yes	Highest
			1	intersection and signal upgrades plus signing and striping,			
Capital	Traffic Capital Projects		35th Ave (San Leandro to Sutter)	speed cushions, RRFBs, PHBs and high visibility crosswalks	2021	Yes	Highest
			Bancroft Ave. (High St to 98th	high visibility crosswalks, RRFBs, PHBs and signal			
Capital	Traffic Safety Requests		Ave) Fruitvale (International to	modifications	2021	Yes*	Highest
Capital	Traffic Capital Projects	:	Foothill)	Road diet, RRFBs and signal modifications	2021	Yes	Highest
			Caldecott Lane (Tunnel Road to	Bike lanes, concrete sidewalk, ADA ramps, signal			
Capital	Traffic Capital Projects		end)	modifications	2021	No	Lowest
Capital	Traffic Capital Projects	:	Fruitvale Ave (E.12th to E.22nd)	Road diet, RRFBs, pedestrian activated crosswalk	2021	Voc	High
Copital	Traine capital Frojects		Shattuck Ave at 49th, 51st, 59th,		2021	103	1.16.1
Capital	Traffic Capital Projects		and Alcatraz Ave.	Install protected left turns	2021	Yes	Low
				New bike lanes and lane reduction; installing uncontrolled			
				crosswalk enhancements with ladder crosswalks; installing			
			1	Rectangular Rapid Flash Beacons (RRFB); constructing sidewalk bulb-outs to shorten intersection crossings for			
		1	Claremont Ave (Telegraph Ave to	pedestrians; installing ADA-compliant curb ramps;			
Capital	Traffic Capital Projects	1	Clifton St)	constructing median refuges at multiple locations	2021	No	Low
C	Tarffic Control Desirate		College Ave (Broadway to	Intersection safety improvements, bike lanes, bulbouts,			1
Capital	Traffic Capital Projects	+	Alcatraz) West Macarthur (San Pablo to	upgraded traffic signal	2021	INO	Lowest
Near Term	Restriping		Market St)	new buffered bike lanes	2021	No	Medium
			1	added buffers to existing basic bike lanes, high-visibility			
Near Term	Restriping	1	Washington St (2nd St to 7th St) Ney Ave (73rd to 82nd and	crosswalks	2021	No	N/A
Near Term	Council Earmark & Capital		MacArthur to Outlook)	Quick-build and Capital traffic calming	2021	No	Low
	·			Cone lane closure maintenance, bulbout, pending further			
Near Term	Essential Places		San Pablo (31st St-32nd St)	improvements	2021	Yes	High

Attachment A: 2021 and 2022 Engineering Safety Improvements

Selection Prevention Selection Select	Improvement Type	Subtype	Quantity	Location	Scope of Enhancements	Construction Start	HIN	Priority Neighborhood
Description Page Response Description was entitled to the process 1 per la their Central 138th		Essential Disease	1	19th St (Adolina St to Donlar St)	Hardanad contactings installed	2024	W	11:
See								
Page								
Search S	ir term	Rapid Response		Park Bivu liear E Sotii	Lane drop	2021	res	Lowest
Search S	or Torm	Panid Posnonso	1	Grand Ave and Supplyslone Ave	Paint and nost high visibility nedestrian warning sign	2021	Vos	Lowest
See Term								
Second Selecty 1								
Sear Form School Salety 1 per femants on School Prescribts 1 per femants 1 per	ii Teriii	Scribbi Salety		I Warkham Elementary School		2021	res	nignest
MacAnthur and 35th Are MacAnthur and 35th	ar Term	School Safety	1:	Safe Routes to School Crosswalks		2021	No*	Highest*
and Term Sideshow Prevention	· · · · · · · · · · · · · · · · · · ·							
Part Part Solution or Processing Part Par	ar Term	Sideshow Prevention	1	MacArthur and 35th Ave		2021	Yes	High
Statishow Prevention MacArthur and High St. and opportunities (single Timing.) Statishow Prevention MacArthur and High St. and opportunities (single Timing.) Statishow Prevention Steptial Timing. Statishow Prevention TOTAL 2021 Improvements 232 TOTAL 2021 Improvements ToTAL 2021 Impro					Sideshow deterrance/traffic calming- hardened centerlines			
Stephon Provention MacAnthru and High St.	ır Term	Sideshow Prevention	-	Foothill and Fairfax	and potentially Botts' Dots	2021	Yes	Highest
Signat Triming 3d Landing Productions Intervals 2d Speed Dumps resulted 2011 Yes* 15/14 Nature of Triffic Safety Requests 2d Speed Dumps resulted 2013 NLA NLA NLA Number of Improvements 2d Speed Dumps resulted 2d Number of Improvements 2d Number of Improvements 2d Speed Dumps resulted 2d Number of Improvements 2d Number of Improvements 2d Number of Improvements Number of Improvemen			,					
sear Form Spend sharping 1 74 Claywide 28 Sevent barry 17 Tartiffs safety sequents 1 238 TOTAL 2021 Improvements 28 STOTAL 2021 Improvements with location mapped 22 STOTAL solve for improvements with location mapped 22 Safety improvements **Total in high and Highest Priority Communities (of mapped improvements) (80 STOTAL solve) (19 mapped improvements) (19 mapped i	ır Term	Sideshow Prevention						Medium
Traffic Safety Requests 122 Traffic Safety Sareoux Requests Misc. small projects (strippe, sigms, painting, etc) 2021 N/A N/A TOTAL and the Misch Appendix of Improvements and December of Improvements of Improvem		0						High*
TOTAL 2011 Improvements 238 Total in High and Highest Priority Communities (of mapped improvements) 68 Total in High and Highest Priority Communities (of mapped improvements) 68 ### Complete Streets 2022 Safety Improvements 1,2015 Street [Proadway to Petal And Street (Proadway to Petal And Street	ır Term	Speed Bumps				2021	N/A	N/A
TOTAL number of improvements in the formagoned improvements is constructed in the figh and Highest Priority Communities (of mapped improvements) (is complete Streets	ır Term	Traffic Safety Requests	132	Traffic Safety Service Requests	Misc. small projects (striping, signs, painting, etc)	2021	N/A	N/A
TOTAL number of improvements in the formagoned improvements is constructed in the figh and Highest Priority Communities (of mapped improvements) (is complete Streets		TOTAL 2021 Improvements	238					
Total in High and Highest Priority Communities (of mapped improvements) 68 ### 2022 Safety Improvements ### 2023 Safety Improvements ### 2024 Safety Improvements ### 2024 Safety Improvements ### 2025 Safety Improvements ### 2026 Safety Impr	TOT/	•						
Total in High and Highest Priority Communities (of mapped improvements) 2022 Safety Improvements 1 20th Street (Proadway to Marrison) 2022 (Yes High Marrison) 2023 (Yes High Marrison) 2024 (Yes High Marrison) 2025 (Yes High Marrison) 2025 (Yes High Marrison) 2026 (Yes High Marrison) 2026 (Yes High Marrison) 2027 (Yes High Marrison) 2027 (Yes High Marrison) 2027 (Yes High Marrison) 2028 (Yes High Marrison) 2029 (Yes High Marrison) 2020 (Yes High Marrison) 2020 (Yes High Marrison) 2020 (Yes High Marrison) 2020 (Yes High Marrison) 2021 (Yes High Marrison) 2022 (Yes High Marrison) 2022 (Yes High Marrison) 2023 (Yes High Marrison) 2024 (Yes High Marrison) 2024 (Yes High Marrison) 2025 (Yes High Marrison) 2026 (Yes High Marrison) 2027 (Yes High Marrison) 2027 (Yes High Marrison) 2028 (Yes High Marrison) 2029 (Yes High Marrison) 2029 (Yes High Marrison) 2020 (Yes High Marrison) 2021 (Yes High Marrison) 2021 (Yes High Marrison) 2022 (Yes High Marrison) 2023 (Yes High Marrison) 2024 (Yes High Marrison) 2024 (Yes High Marrison) 2025 (Yes High Marrison) 2026 (Yes High Marrison) 2027 (Yes High Marrison) 2027 (Yes High Marrison) 2027 (Yes High Marrison) 2028 (Yes High Marrison) 2029 (Yes High Marrison) 2029 (Yes High Marrison) 2029 (Yes High	1017							
2022 Safety improvements 2015 Street (Broadway to Marrison) Class I and Class 4, Traffic Signal modifications, landscaped Complete Streets Felgraph (20th to 42nd) Complete Streets Felgraph (20th to 42nd) Complete Streets Felgraph (20th to 42nd) User Screen (20th street) Felgraph (20th street)	Total in High and Highs	, ,, ,						
pipilal Complete Streets 1 2001 Street (Broadway to Harrison) Class II and Class 4, Traffic Signal modifications, landscaped median, widened sidewalks, crosswalk upgrade median, widened sidewalks, crosswalks, upgrade plant median, and widewalks, crosswalks upgrade median, widened sidewalks, crosswalks, upgrade plant median, and widewalks, crosswalks,	Total III nigri and nigrie	st Priority Communities (or mapped improvements)	100	2022 Safety Impro	vements			
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Complete Streets 1 Telegraph (20th to 42nd) Intersection processed bile intersection and signal 2027 less High		'		20th Street (Broadway to	Class II and Class 4, Traffic Signal modifications, landscaped			
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popular (complete Streets Telegraph (20th to 42nd) upgrades plus sping and striping 2022 Yes High popular Complete Streets 1/21st Ave (Polific Navely SS) upgrades plus sping and striping 2022 No High popular Complete Streets 1/2012 No High popular Paving 1/2012 No 1/2012 No popular Paving 1/2012 No					Road Diet, class 4 raised buffer bike lanes, bus transit island			
pipital complete Streets Task we formal is to Inswiney 53 Inandicaping, ped crosswalks and walkways, ped Display Displ		'	1	L				
Complete Streets Complete St	ital	Complete Streets				2022	Yes	High
San Leandro St (69th Ave to 75th Class Ibike lanes, paving upgrades, bike lane signage papers of the paving spital Projects of the papers of t		'						
papial Complete Streets 1 2 2022 Yes Hight spital Paving 1 5 5 5 5 spital Paving 1 5 5 5 spital Paving 1 5 5 5 spital Paving 1 5 spital Paving 2 5 s	ital	Complete Streets			improvements	2022	No	Highest
West Grand (Market St to Wood High visibility crosswalks, traffic signal improvement, adding, improvement, adding, improvement, adding, improvement, adding, improvement, adding, improvement and provided in the park BM/Groevenor PM/IAma PM/Sckelsfor Ave, including closure of Excelsior Ave between Park Blvd and Kingsley Ave 2022 Yes Lowe Thornhill School (Moraga to Gisborne and ped path near school) School Safety Park Blvd (Excelsior intersection) School Safety Park Blvd (Excelsior intersection) School Safety Park Blvd (Excelsior intersection) MacArthur Blvd (Soft to 96th Ave) Awa Arthur Blvd (69th to 96th Ave) Awa Sidewalk, intersection improvements and pedestrian path arm path intersection improvements, including ADA ramps, high visibility corsswalks, RRFBs, sidewalk improvements, pedestrian refuge Islands. Traffic aphaler Projects Traffic Capital Pro				1	Class II biles languages and a site languistance	2022	.,	luc i
apital Paving 3 S) adding, improving and relocating bus stops 2022 Yes High Traffic signal upgrades and genoments at Park Blvd (Excelsior intersection) Ave 2022 Yes Lowe Traffic Signal upgrades and genoment is improvement at Park Blvd (Excelsior intersection) Ave 2022 Yes Lowe Traffic Signal upgrades and genoment is improvement at Park Blvd (Excelsior intersection) Ave 2022 Yes Lowe Traffic Capital Projects Ave Detection intersection improvements and pedestrian path Park Blvd (Excelsior intersection) Ave 2022 Yes High Capital Projects Ave Detection and Park Blvd (Excelsior intersection) Ave 2022 No Lowe Implement pedestrian safety improvements, including ADA ramps, high visibility consovalls, RRFBs, sidewalk improvements, pedestrian registed slands. Traffic Park Blvd (Excelsior intersections (Starts 1) Ave (Starts 1) Ave (Starts 1) Ave (Starts 2) Ave (Starts 2) Ave (Starts 2) Ave (Starts 3) Ave (Starts 3) Ave (Starts 3) Ave (Starts 3) Ave (Starts 4) Av	ıtaı	Complete Streets		- /		2022	res	Hignest
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Implement pedestrian safety improvements, including ADA ramps, high visibility corsswalks, RRFBs, sidewalk improvements, pedestrian refuge islands, and striping modifications. Traffic Capital Projects Traffic Capital Project		'		Grisborne and ped path near	New Sidewalk, intersection improvements and pedestrian			
maps, high visibility corsswalks, RRFBs, sidewalk improvements, pedestrian refuge islands. Traffic Apital Projects Traffic Capital Projects Downtown Intersections (starts on 7th St to 10th and Broadway to Harrison) Traffic Capital Projects Traffic Projects Traffic Capital	ital	School Safety		school)	F	2022	No	Lowest
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Foothill Blvd (Harrington Ave to Cole St) Foothill Blvd (Harrington Ave to Experiments, Experim		1	1		Implement pedestrian safety improvements - ADA ramps.			
apital Traffic Capital Projects Cole St) pedestrian refuge islands, and striping modifications. 2022 Yes High new traffic Signals and curb ramps, RFBs, median pedestrian refuge islands, mid-block concrete islands 2022 Yes High new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, mid-block concrete islands 2022 Yes High new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, mid-block concrete islands 2022 Yes High new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, mid-block concrete islands 2022 Yes High new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping modifications. 2022 Yes High new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping modifications. 2022 Yes High new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping modifications. 2022 Yes High new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping modifications. 2022 No Low treffic calming treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping modifications. 2022 Yes High new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping modifications. 2022 No Low treffic calming treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping and striping and striping and striping new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping and striping and striping new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping and striping and striping new treffic signals and curb ramps, RFBs, median pedestrian refuge islands, and striping and strip		1	[Foothill Blvd (Harrington Ave to				
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Park Blvd near E 38th Park	ar Term	Council Earmark (FY21-23)		101st and Walnut Intersection	Addition of a 4-way stop sign	2022	No	Medium
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ear Term Rapid Response 1 Park Blvd near E 38th Median Delineators 2022 No Low		1] :	(Intersection) and MacArthur				
	ır Term	Council Earmark (FY21-23)	1	and Fruitvale	Sideshow deterrance/traffic calming	2022	Yes	High
	ır Term	Rapid Response		Park Blvd near E 38th	Median Delineators	2022	No	Low
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School Zone Speed Limit			34					
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Attachment A: 2021 and 2022 Engineering Safety Improvements

Improvement Type	Subtype	Quantity	Location	Scope of Enhancements	Construction Start	HIN	Priority Neighborhood	
				Sideshow deterrance/traffic calming- hardened centerlines				
Near Term	Sideshow Prevention	1	International and 42nd Ave	and potentially Botts' Dots	2022	Yes	High	
				Sideshow deterrance/traffic calming- hardened centerlines				
Near Term	Sideshow Prevention	1	MacArthur and 106th Ave	and potentially Botts' Dots	2022	No	High	
		,		Sideshow deterrance/traffic calming- hardened centerlines				
Near Term	Sideshow Prevention	1	Foothill and 55th Ave	and potentially Botts' Dots	2022	Yes	Highest	
				Sideshow deterrance/traffic calming- hardened centerlines				
Near Term	Sideshow Prevention	•	MacArthur and /82nd Ave	and potentially Botts' Dots	2022	Yes	Highest	
				Sideshow deterrance/traffic calming- hardened centerlines				
Near Term	Sideshow Prevention	•	MacArthur and Seminary	and potentially Botts' Dots	2022	No	High	
				Sideshow deterrance/traffic calming- hardened centerlines				
Near Term	Sideshow Prevention	-	International and 82nd Ave	and potentially Botts' Dots	2022	Yes	Highest	
		,		Sideshow deterrance/traffic calming- hardened centerlines				
Near Term	Sideshow Prevention	•	42nd Ave and I-880 Freeway	and potentially Botts' Dots	2022	No	High	
Near Term	Signal Timing	49	Leading Pedestrian Intervals	49 implemented	2022	Yes*	High*	
Near Term	Speed Bumps	70	Citywide	70 Speed bumps to be installed	2022	N/A	N/A	
			Business Zone Speed Limit					
Near Term	Speed Limits	3	Reductions	5 zones will receive speed limit reductions in 2022	2022	N/A	N/A	
Near Term	Violence Prevention Program	1	E. 15th (15th-23rd)	Speed bumps	2022	Yes	Highest	
TOTAL 2022 Improvements** 181								
Total number of improvements with locations mapped 86								
Total on HIN (of mapped improvements) 77								
Total in High and Highest Priority Communities (of mapped improvements) 81								
To	OTAL 2021 AND 2022 IMPROVEMENTS	419	•		•			

 $^{{\}rm *Programs\ of\ projects\ were\ considered\ on\ the\ HIN\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhoods\ when\ at\ least\ 50\%\ is\ within\ and\ in\ Priority\ Neighborhood\ in\ Neighborh$

^{**}not including traffic safety service requests and other emerging projects