SS4A Safe Streets Projects: *Forward to Vision Zero - Madison*

US DOT Priority Census Tracts

Census Tract 6	**West/South (Allied, Dunn's Marsh)**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Enhanced Engagement	Including Resident Panels, online StoryMap, multi-lingual project materials and videos		$53,400		$53,400
Speed Management: Proposed locations include Alllied Dr, Dunn's Marsh Terr, Britta Pkwy, Whenona Dr	Increase overall neighborhood and user safety through proven speed management solutions such as speed humps, traffic circles, curb extensions, chicanes and other low-cost high-impact solutions. The solutions will reinforce the planned 20 mph speed limit on local streets. Engagement with neighborhood to determine final locations.		$15,525	$87,975	$103,500
Intersection Safety: Southwest Commuter Path	Raised crossing to improve awareness of and yielding at the shared-use path crosswalk, help clarify pedestrian/bicycle priority while also slowing motor vehicle speeds and reducing crashes.		$30,000	$170,000	$200,000
Pedestrian Safety & Connectivity: Proposed locations include Whenona Dr, Danbury St, Axel Ave, Freeport Rd, Seminole Hwy.	Increase safety and accessibility for people walking regardless of age or ability by providing seperated space for walking, accessible curb ramps and crosswalks. Engagement with neighborhood to determine final locations.		$258,937	$1,467,313	$1,726,250
Census Tract 14.01	**South Madison**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Enhanced Engagement	Including Resident Panels, online StoryMap, multi-lingual project materials and videos and student engagement projects		$24,400		$24,400
Bicycle Safety & Connectivity: W Badger Rd	Provide a safe All Ages & Abilities facility to connect additional segements of the South Madison neighborhood to the pedestrian/biycle bridge over the Beltline Hwy. A recently funded Transportation Alternatives Program project will fund contruction of a shared-use path east of the Beltline bridge. The proposed solution includes funding to create a shared use path or protected bike lanes along with intersection with traffic signal safety updates. The final project design will be based on feasibility as well as community engagement.		$179,250	$1,195,000	$1,374,250
Speed Management: Proposed locations include Cypress Way, Hackberry Ln, Sequoia Tr & Catalpa Rd	Speed management on streets near Lincoln Elementary School. Increase overall school, neighborhood and user safety through proven speed management solutions such as speed humps, traffic circles, curb extensions, chicanes and other low-cost high impact solutions. The solutions will reinforce the planned 20 mph speed limit on local streets and the 15 mph school zone speed limit. Engagement with students and the neighborhood to determine final locations and solutions.		$13,500	$90,000	$103,500
Bicycle Safety & Connectivity: N Rusk Ave & Koster St	Create an All Ages & Ability Bike Boulevard to connect Quann Park Path tothe planned Badger/Rusk Path (which connects to Beltline Hwy pedestrian/bicycle overpass) with appropriate signage and needed traffic speed/volume management improvements. The Badger/Rusk Path has received Transportation Alternatives Program funding.		$9,000	$60,000	$69,000
Census Tract 17.04	**Downtown (Capitol Square West)**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Enhanced Engagement	Including online StoryMap, multi-lingual project materials, project graphics		$22,400		$22,400
Bicycle & Pedestrian Safety & Connectivity: Broom St - W Main St to W Johnson St	Add protected bike lane (serves as one-way pair with already constructed protected bike lane on Bassett St) to improve safety for users of all ages & abilities, make pedestrian crossing improvements; protected intersection at W Washington to reduce both bicycle and pedestrian crashes at high volume intersection.		$162,750	$1,085,000	$1,247,750

Reduce Turning Crashes: Wisconsin Ave	Address motor vehicle turn crashes by widening center islands, upgrading all traffic signal heads, adding a median signal pole and indication, upgrading signal cabinet, adding continental crosswalks to improve pedestrian visibility and safety		$19,125	$127,500	$146,625
Census Tract 25	**East/North (Carpenter Ridgeway/Airport)**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Speed Management: Tennyson Ln	Speed management near Lakeview Elementary School and the Tennyson Senior Living Community. Increase overall neighborhood and user safety through proven speed management solutions such as speed humps, traffic circles, curb extensions, chicanes and other low-cost high-impact solutions. The solutions will reinforce the planned 20 mph speed limit on local streets.		$9,000	$60,000	$69,000
Speed Management: Anhalt Dr	Speed management near Whitetail Ridge Park. Increase overall neighborhood and user safety through proven speed management solutions such as speed humps, traffic circles, curb extensions, chicanes and other low-cost high-impact solutions. The solutions will reinforce the planned 20 mph speed limit on local streets.		$6,000	$40,000	$46,000
Census Tract 26.01	**East (Hawthorne)**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Enhanced Engagement	Including Resident Panels, online StoryMaps, multi-lingual project materials and videos		$50,200		$50,200
Pedestrrian Crossing Safety: E WasHigh Injury Networkgton Ave between Melvin Ct and Wright St	Work with the neighborhood to develop solutions such as an Rectangular Rapid Flash Beacon and continental crosswalks to address pedestrian crossing safety. The final location(s) and solutions will be developed in collaboration with the neighborhood.		$7,500	$50,000	$57,500
Pedestrian Safety & Connectivity: Lexington Ave/Commercial Ave	Work with neighborhood to determine best facility type (sidewalk or path) to connect to businesses at Nakoosa Trail. Increase overall safety through speed management solutions on Lexington Ave especially near Hawthorne Elementary.		$187,500	$1,062,500	$1,250,000
Bicycle& Pedestrian Safety: N Fair Oaks Ave	Work with neighborhood to determine pedestrian/bicycle safety improvements. Proposed improvement is to build protected bike lanes, improve pedestrian crosswalks and update signing and pavement marking along corridor		$45,983	$306,550	$352,533
Pedestrian Safety & Connectivity: Mendota St	Increase safety and accessibility for people walking regardless of age or ability by providing seperated space for walking, accessible curb ramps and crosswalks Increase overall safety by implementing speed management solutions near near Mayfair Park.		$31,500	$178,500	$210,000
City of Madison - Equity Priority Areas					
Census Tract 11.01, 11.02, 12 & 16.06	**Central Nearwest (Bayview, UW-Madison campus, Greenbush)**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Safe Systems/Complete Streets Corridor Planning: Regent St - W WasHigh Injury Networkgton to Breese Terr	Engagement, Design Consultant and Construction Documents - Construction will be City funded. Focus on improving safety along corridor for people walking, biking, taking transit and driving using a Safe Systems and Complete Green Streets approach. This street borders the UW-Madison campus, a residential neighborhood and is home to many small businesses. The City has funding to reconstruct this street but needs assistance in finding the best solutions to improve safe mobility for all travel modes.		$750,000		$750,000
Intersection Safety: Southwest Path - Mills St	Raised crossing to raise awareness of the shared-use path crosswalk & improve yielding compliance, help clarify pedestrian/bicycle priority while also slowing driver speeds.		$15,000	$100,000	$115,000
Bicycle Safety: Park St - Langdon St to W Washington Ave/Vilas Ave	Increase safety of current painted bike lanes by building protected bike lanes to connect the heart of the UW-Madison campus with a dormitory and other student housing south of campus.		$63,825	$425,500	$489,325
Census Tract 22 & 23.01	**North (Warner Park, Vera Court, Mendota)**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**

Enhanced Engagement	Including Resident Panels, online StoryMap, multi-lingual project materials and videos and student engagement projects		$24,400		$24,400
Speed Management and Pedestrian/Bicycle Safety: Troy Dr	Increase safety and accessibility for people walking regardless of age or ability by filling gaps in the sidewalk network, adding accessible curb ramps and crosswalks where they are missing. Increase overall safety by implementing low-cost high-impact speed management solutions and work with community to develop solutions to improve bicycle safety and improve connectivity in this corridor.		$36,806	$245,375	$282,181
Pedestrian/Bicycle Safety and Speed Management: School Rd, Kennedy Rd, Toban Dr, Blaine Dr (Northside Safe Routes to School Improvements)	Increase safety and accessibility for people walking regardless of age or ability by filling gaps in the sidewalk network, adding accessible curb ramps and crosswalks where they are missing. Increase overall safety by implementing low-cost high-impact speed management solutions and work with community to develop solutions to improve bicycle safety and improve connectivity near Mendota Elementary and Lindbergh Elementary.		$130,384	$869,225	$999,609
Census Tract 4.07, 5.01, 5.05 & 5.06	**Southwest (Meadowood & Orchard Ridge)**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Enhanced Engagement	Including Resident Panels, online StoryMap, multi-lingual project materials and videos		$50,200		$50,200
Roadway Safety/Lane Reduction & Pedestrian/Bicycle Safety: Raymond Rd - Verona Rd to Muir Field Rd	Work with neighborhood to develop new street design using a Safe Systems/Complete Green Streets approach. Proposed solutions include reducing travel lanes lanes, add protected bike facility and improving pedestrian crossings.		$109,440	$729,600	$839,040
Roadway Safety & Pedestrian/Bicycle Safety: Whitney Way - Gilbert Rd to Raymond Rd	Work with neighborhood to develop new street design using a Safe Systems/Complete Green Streets approach. Proposed solutions include protected bike lanes, narrowed travel lanes, improved pedestrian crossings.		$57,000	$380,000	$437,000
Speed Management & Pedestrian Safety & Connectivity: Proposed locations include Thrush Ln, Riva Rd, Balsam Rd, Prairie Rd, Pilgrim Rd, Monticello Way	Work with the neighborhood to increase safety and accessibility for people walking regardless of age or ability by filling gaps in the sidewalk network, adding accessible curb ramps and crosswalks where they are missing. Increase overall safety by implementing low-cost high-impact speed management solutions that support the planned 20 mph local street speed limit.		$295,125	$1,672,375	$1,967,500
Census Tract 14.02	**South (Leopold & Town of Madison)**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Enhanced Engagement	Including online StoryMap, multi-lingual project materials, project graphics		$22,400		$22,400
Pedestrian/Bicycle Safety & Connectivity: W Beltline Frontage Rd - East of Seminole Hwy to Kingston Dr	Build a seperated shared-use path along a high volume frontage road adjacent to the Beltline Highway to provide a safe, accessible space for walking and biking. Improve safe access to the transit stops along the W Beltline Frontage Rd.		$238,875	$1,592,500	$1,831,375
Speed Management & Pedestrian Safety: Proposed locations include Post Rd, Traceway Dr, Coho St, Pike Dr & Luann Ln	Work with the neighborhood to increase safety by implementing low-cost high-impact speed management solutions and crosswalk additions to support safe access to Aldo Leopold Park and Aldo Leopold Elementary and the transit stops on Post Rd.		$16,500	$110,000	$126,500
Census Tract 26.03	**East (East Towne, Sycamore Park)**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Enhanced Engagement	Including online StoryMap, multi-lingual project materials, project graphics		$11,200		$11,200
Pedestrian/Bicycle Safety & Connectivity: Commercial Ave, Ziegler Rd	Increase safety and accessibility for people walking regardless of age or ability by filling gaps in the sidewalk network, adding accessible curb ramps and crosswalks where they are missing to connect businesses and the planned/funded Autumn Ridge Path to the neighborhood. Increase overall safety by implementing low-cost high-impact speed management solutions to support safety along Ziegler Rd to connect the Autumn Ridge Path to the Sycamore Park Path.		$69,188	$392,063	$461,250
City of Madison Citywide Safe Streets Projects					

Improvement	Location Selection & Prioritization Process	Supplemental Planning	Design	Construction or Implementation	Total Estimated Cost
20 is Plenty	Update all remaining local streets with 20mph signs to update all City streets to an appropriate speed limit that will increase safety for all users and decrease crash severity on local streets. Prioritizing disadvantaged census tracts.			$200,000	$200,000
Improved Pedestrian & Bicycle Crossings	Target safety improvements where data shows the highest potential safety benefit focusing on the High Injury Network. Using that data prioritize locations in equity priority areas. Improvements would include Rectangular Rapid Flash Beacons, pedestrian countdown signals, lighting, driver speed feedback boards, left turn calming and similar small improvements with a low cost, high impact.		$114,750	$650,250	$765,000
Acessible Pedestrian Signal	Work closely with the community to update the City's policy on placement of Accessible Pedestrian Signals; once approved install approximately 40 locations based on new policy and input from the impacted community to improve the safety at intersections for blind and visually impaired travelers.		$42,000	$238,000	$280,000
Increase Protected Bike Lanes & Intersections	Use the All Ages Ability Bicycle Network priority network to implement protected bike lane and intersection projects to separate users to reduce crashes both along a street and at intersections. Use both safety data and consideration of equity priority areas to choose locations.		$120,000	$680,000	$800,000
Low-Cost High-Impact Speed Management solutions	Target safety improvements where data shows the highest safety benefit focusing on the High Injury Network. Using the data prioritize locations in equity priority areas. Solutions will focus on reinforcing safe speeds and may include needed speed limit reductions, driver speed feedback boards, road diets, traffic calming and other similar small improvements that have a high impact on safety outcomes for all users.		$108,000	$612,000	$720,000
Quick Build to Permanent Projects	Not all safety solutions need to be built with concrete immediately. This program will be a community focused program with quick build materials to pilot changes which can be built permanently in the future; funding is for quick build materials, workshops, community engagement, and design/installation support. This program is anticipated to be a collaboration with local community organizations who are engaged in Vision Zero with a focus on equity priority areas.		$50,000	$109,000	$159,000
Traffic Engineering, Engineering & Planning staff training to support Vision Zero designs	To build upon the City's current commitment to building safety into all projects this funding will allow for staff to be trained to better understand how to implement Vision Zero through trainings on NACTO Urban Design guides, ADA/PROWAG, Vision Zero and other safety focused design.			$60,000	$60,000
Maintenance Support	To better ensure that critical pavement markings are not lost due to utility or other small projects, an epoxy marking macHigh Injury Networke is needed to address gaps in markings and make small additions quickly instead of waiting for a larger project or contractor to be able to make these needed fixes.			$50,000	$50,000
Supplemental Planning	**Planning & Data**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Supplemental Planning: Active Transportation Planning	Update the current Pedestrian Plan including prioritizing projects to improve safety (the last Pedestrian Plan update was in 1997) and using current census tract data to ensure that equity is a leading factor in prioritizing projects. Do community engagement around the City's draft All Ages Abilities Bike Network and prioritize network gaps to ensure that all of the City has access to safe bicycle routes.	$275,600			$ 275,600
Supplemental Planning: School Travel Plans	In late 2022 the City will begin working on a Safe Routes to School framework in collaboration with the Wisconsin Bicycle Federation and Madison Metropolitan School District that includes updating some school's travel plans through a recent secured Transportation Alternatives Program project. This funding will allow for approximately 6 additional school travel plan updates (schools will be selected using a Safe Routes to School prioritization metric currently in development that ensures schools with the greatest need are assissted first) and will identify priority safety improvements at those schools.	$42,000			$ 42,000

Safety Data: Post Crash Care	Funding for data review to better integrate the needs of EMS, Fire and Police to improve response times & reporting plan to add this data to the City's annual Vision Zero report	$7,000			$ 7,000
Safety Data: Further High Injury Network Evaluation	Further review of pedestrian/bike crashes to help select locations for pedestrian/bicycle crossing improvements; work on using a predictive model to be proactive in improvement site selection to help selection of high impact projects for future funding.	$10,000			$ 10,000
Trial Projects	**Concept/Item**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Safe Streets: Install Asphlt Art as a crash reduction & speed management strategy	Implement pavement art based on findings in the Asphalt Art Safety Study- engagement, artist fee and installation for up to 4 locations depending on size/scope. Pilot project to build support for installations that go beyond low volume residential streets (which are the current allowed locations). Locations selected will come from US DOT census tracts highlighted as disadvantaged or City equity priority areas.		$10,000	$50,000	$60,000
City of Madison Citywide Safe People, Safety Data, Safe Vehicles & Safety Focused Enforcement Projects					
Strategy	**Project Concept**	**Supplemental Planning**	**Design**	**Construction or Implementation**	**Total Estimated Cost**
Safety Data: Engagement	Funding to improve overall Vision Zero & Safe Streets Madison project engagement across departments. The focus is on more equitable and culturally relevant engagement to improve project outcomes and increase safety for all. This will serve as a model for transportation project engagement across departments.		$3,000	$27,000	$30,000
Safety Data: Safety improvement evaluation	Partner with UW-Madison Traffic Operations and Safety (TOPS) Lab to assist with evaluation of improvements to better understand project safety impacts.			$75,000	$75,000
Safety Data: Safety improvement analysis & evaluation	Use data analytics to continue to improve data analysis and inform projects; use data to assist with evaluation.		$20,000	$180,000	$200,000
Safe People: Outreach & Engagement	Stipend for Artist in Residence to create artistic interventions, strategies and engagement, raise awarenss of traffic safety issues & Vision Zero and help reach traditionally underserved groups.			$60,000	$60,000
Safe People: Outreach Campaign based on common crash factors & building a traffic safety culture	Support for Stakeholder Task Force to improve their skills around letters to the editor, storytelling, and holding community conversations. Funding to work collaboratively with community groups to develop targeted marketing campaigns based on crash factors/types that are culturally relevant & in multiple languages and build a better traffic safety culture.		$9,000	$81,000	$90,000
Safe People & Safe Vehicles: Vehicle Miles Traveled Reduction - City Cargo Bike Program	Successful Vision Zero cities have reduced motor vehicle trips and increased multi-modal travel. The City has many VMT reduction strategies in the works including bus rapid transit and the creation of a TDM ordinance. This project would allow for a permanent e-cargo bike program for city department use. A successful deparment e-cargo bike pilot was held in 2020 that will serve as a model for rolling out a permanent program with the City setting an example for individuals and businesses across the City on what is possible.			$38,000	$38,000
Safe People: Vehicle Miles Traveled Reduction: Neighborhood Shared Cargo Bike Library	To decrease reliance on motor vehicle trips and increase multi-modal travel in equity priority areas the City proposes to establish an e-cargo bike library to increase usage; funding will allow for engagement and piloting in 3 locations. The engagement will allow for selection of the pilots and the appropriate e-cargo bikes based on resident feedback. This provides an opportunity to test interest in cargo bikes as an equitable, sustainable mobility tool for a range of residents.		$9,000	$73,800	$82,800
Safe People: Youth Education	Mobility Education in High Schools to ensure that young people know how to walk/bike/use transit and to provide support youth driver education which is no longer available at no cost through public schools. This education is intended to improve safety by ensuring that even young people who do not attend driver's education understand how to be safe when traveling in the future.		$5,000	$30,000	$35,000

Safe People: Impaired Driving	Impaired driving continues to be a top issue in crashes in Madison and throughout Madison. This project provides funding for a Madison Safe Ride program for businesses/events that have chosen to not be Tavern League members (required for statewide program) as well as funding for checks to ensure compliance with all regulations and best practices for online alcohol sales.			$328,240	$328,240
Safe People & Safety Focused Enforcement:Impaired Driving MPD training	Improve Madison Police Department response by increased Drug Recognition Evaluator & instructor training as well as Advanced Roadside Impairment Detection training.			$35,000	$35,000
Safe People & Safety Focused Enforcement: Pedestrian Bicycle Safety MPD training	Provide training for an officer to be qualified to teach Pedestrian Bike Safety for Law Enforcement course & train other officers to ensure that MPD officers have the necessary knowledge to respond to crashes and make motor vehicle stops that enhance safety for walking/biking.			$23,850	$23,850
Safety Focused Enforcement: High Injury Network Speed Enforcement	Purchase of high quality speed enforcement Lazers (6 per year) to support traffic enforcement of dangerous speeds focused on the High Injury Network			$60,000	$60,000
		$334,600	**$3,507,062**	**$16,158,116**	**$19,999,778**

Subtotal Funds to Underserved Communities				**$7,106,308**