VEGETATIVE BARRIERS GRANT APPLICATION

Vegetative Barriers Emission Reduction Program is part of California Climate Investments, a statewide initiative that puts billions of Cap-and-Trade dollars to work reducing greenhouse gas emissions, strengthening the economy, and improving public health and the environment — particularly in disadvantaged communities.

SECTION 1 - APPLICANT INFORMATION (PLEASE PRINT OR TYPE)

1. Organization, Company, or Proprietor's Name (as it appears on Form W-9): Little Manila Foundation dba Little Manila Rising		
2. Physical Address: 2154 South San Joaquin Street		
3. City: Stockton	4. State: CA	5. Zip Code: 95206
6. Mailing Address (if different from above):		
7. City:	8. State:	9. Zip Code:

SECTION 2- CONTACT INFORMATION (PLEASE PRINT OR TYPE)

PRIMARY CONTACT INFORMATION
1. First and Last Name: Nicolas Tamayo 2. Title: Urban Forestry Director
3. Phone Number: 916-494-8182 4. Fax Number:
5. Alternate Contact Number: 6. Email (required): nicolas@littlemanila.org
SIGNING AUTHORITY INFORMATION (IF DIFFERENT FROM ABOVE)
1. First and Last Name: Dillon Delvo 2. Title: Executive Director 3. Phone Number: 4. Fax Number: 5. Alternate Contact Number: 6. Email (required): dillon@littlemanila.org

SECTION 3 – PROJECT INFORMATION (PLEASE PRINT OR TYPE)

Applicant may submit answers to this section on a separate document so long as the proposal answers each question in the order presented and the responses are numbered accordingly

1. Project Summary

Briefly describe your project including committed partners, expected implementation period, project costs and how the project will mitigate air quality impacts.

Little Manila Rising's Urban Forestry Program is the leading tree planting and environmental justice organization in Stockton and has been an advocate for vegetative barriers throughout our participation in the steering committee.

Vegetative Barriers require complex site analysis and selection, simulation modeling, and detailed design in order to optimize design and conditions to achieve air filtration benefit. Little Manila Rising (LMR) is partnering with Hyphae Design Laboratory (Hyphae), a national leader in vegetative barrier design for air filtration. Hyphae has collaborated with Rich Baldauf and Max Zhang, who authored the EPA guidelines referenced in this RFP. As a national leader in developing novel, evidence-based greening design interventions based in Oakland, California, they have been researching and promoting vegetative barriers and other ecosystem service design for almost a decade. Hyphae has developed vegetative barriers in Oakland, Richmond, Louisville, Dallas and other cities with a similar context as Stockton. Hyphae is committed to scientific rigor in designing these systems and has secured grants from the National Institute of Health (NIH) and National Science Foundation (NSF) to build and test different strategies that monitor water use and air filtration effectiveness, and have developed specific protocols and instrumentation/design standards for future implementation.

For this proposal, Hyphae will conduct fluid dynamics modeling of air and pollution at proposed locations, and determine alternatives to optimize the design of vegetative barrier interventions.

Additionally we have forged a relationship with Caltrans to feature vegetative barriers on their right of way (ROW). Finally our ongoing partnership with Asa Bradman from UC Merced will allow us to study the before and after effects of the barriers.

Based on the iTree Report, our proposed project would sequester 2,363,624 pounds of CO2. It would remove 4,742 pounds of O3, 706 pounds of NO2, 178 pounds of SO2, and 222 pounds of Particulate Matter (PM) 2.5. Furthermore it would intercept 3,816,968 gallons of rainfall and 1,154,797 gallons of runoff would be avoided.

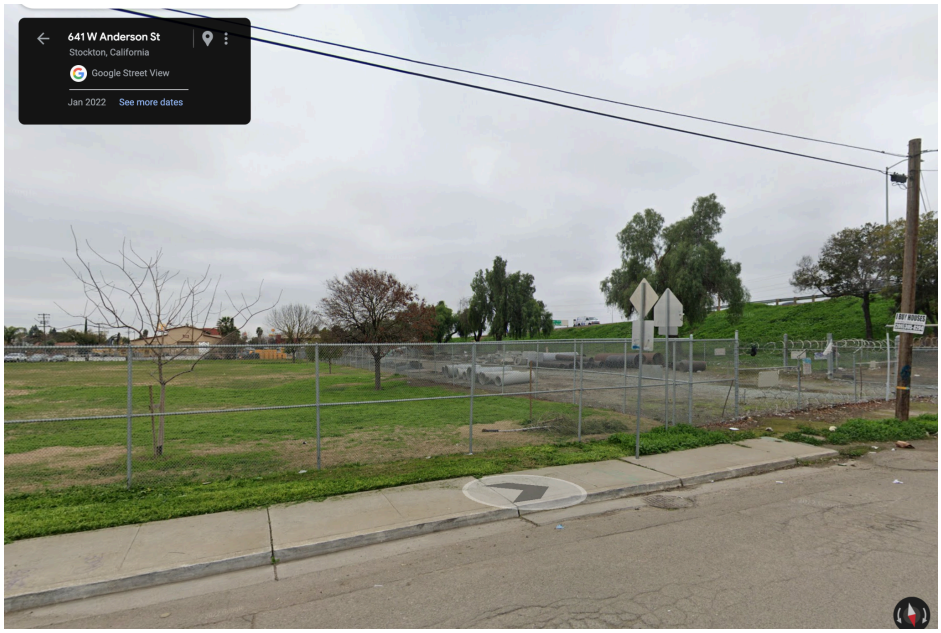
2. Location of Project

Provide address or cross-streets and describe surrounding area. Please attach photographs of the project site, and aerial photo of the project from an online resource, and a representation of the project plan area (i.e., site plan).

We have a preferred site selected at Hazelton Elementary School and the adjacent Caltrans ROW west of the school campus. We are continuing to explore and vet the viability of several other potential sites for vegetated barriers to be established along different entities' ROW, including Caltrans, City of Stockton, and Stockton Unified School District. These additional sites will be considered and studied during the initial site optimization/prioritization stage. We

would also explore smaller interventions that maximize benefits such as backyard barriers on residential properties as appropriate. Caltrans has expressed a sincere desire to support community-led urban greening efforts and we have made strides to identify pathways toward an approved planting project, through either highway adoption or through an encroachment permit process. Both strategies will require site plans, sketches, and approval by Caltrans landscape architects.

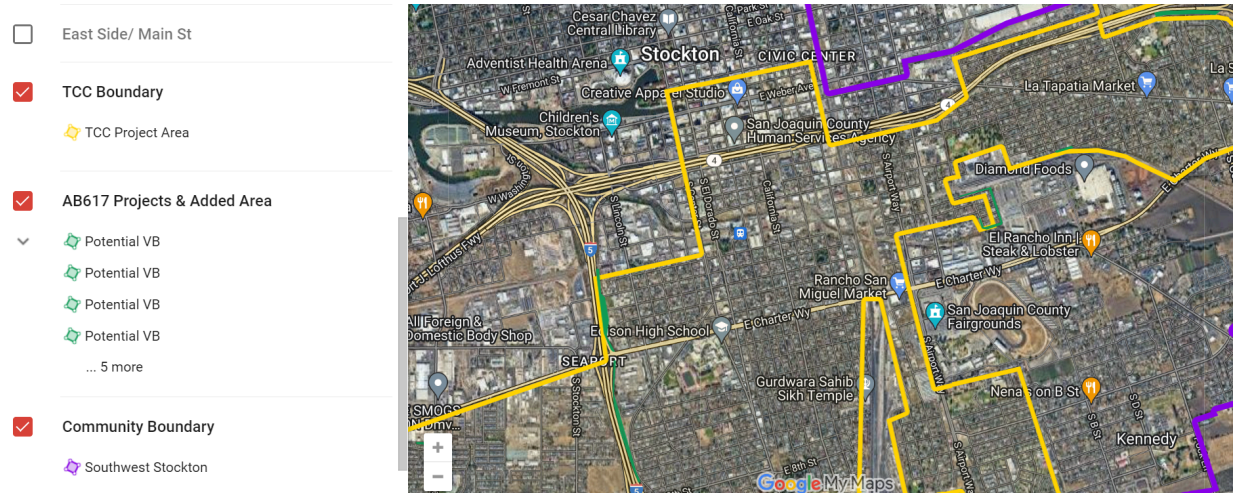
Proposed Vegetative Barrier location



Site photos from proposed vegetative barrier site.

Proposed Vegetated Buffer location

Site photos from potential vegetated buffer site.



Additional vegetative barrier locations are being reviewed by Caltrans.

https://www.google.com/maps/d/edit?mid=194IC5wXHow1voFyC6gRSyzjM7qNP3xg&usp=sharing

Primary Site Identification

Currently, our priority is securing a long-term partnership with Caltrans that would include planting and maintenance agreements for vegetated barriers in high impact areas throughout South Stockton. We propose to work with Caltrans staff and Hyphae to determine which site(s) will be prioritized within the first two quarters of project implementation. The project team will initially study the preferred site around Hazelton Elementary School, which would require partnership with Caltrans and Stockton Unified School District. Additional sites for exploration include the following locations: I-5 northbound W. Eighth St. exit, City of

Stockton ROW along East MLK Blvd and South Golden Gate Ave., among others. Other additional locations may be identified during this period.

3. Is the applicant the property owner of the land on which the project will be implemented?

☐ Yes**.** ☐ **No.**

Please provide the name and contact information for the Property Owner(s) of Each Parcel within Project Footprint or provide a demonstrated plan to obtain the authority from the property owner(s).

No. These plantings will occur with various project partners, including Caltrans' ROW. We have secured letters of support with identified partners to clarify the limits and bounds of collaboration. Maintenance agreements will be developed with Caltrans and the City of Stockton for long-term maintenance of trees within the ROW. LMR is coordinating with the City of Stockton and Caltrans as necessary to obtain all necessary permits to complete the project.

4. Describe Proposed Greenery

Include quantity of each plant or tree to be planted. Also note environmental benefits of the selected species (e.g., if the species is native, drought resistant, non-allergenic, or low-BVOC emitting), if possible.

While native and drought tolerant species are the preferred standard for planting throughout the community in all of our urban greening work, specific plant characteristics and performance are critical variables for vegetative barriers. Leaf area density is the primary driver of air filtration and wind dynamics. The fine needle shape of evergreens have shown to increase deposition. Additionally, low VOC requirements are critical for vegetative barrier effectiveness. This list includes both natives and non-invasive drought tolerant candidates, as conifers have the best pollution disruption potential.

Plant List

Botanical Name	**Common Name**
Hesperocyparis arizonica (Cupressus arizonica) nomen. unresolved	Arizona cypress
Cedrus deodara	deodar cedar
Juniperus californica	California juniper
Juniperus spp.	juniper
Pinus canariensis	Canary Island pine
Pinus pinea	Italian stone pine
Calocedrus decurrens	incense cedar
Chamaecyparis spp. (CA native and non-native species)	false cypress
Cupressus sempervirens	Italian cypress
Pseudotsuga menziesii	Douglas fir
Hesperocyparis forbesii (Cupressus forbesii)	Tecate cypress

Cedrus atlantica	Atlas cedar
Podocarpus macrophyllus	yew pine
Taxus baccata ''Fastigiata''	Irish yew
Thuja plicata	western red cedar

5. Area of Project Footprint to be created or Enhanced (acres or square footage)
67,921 SF

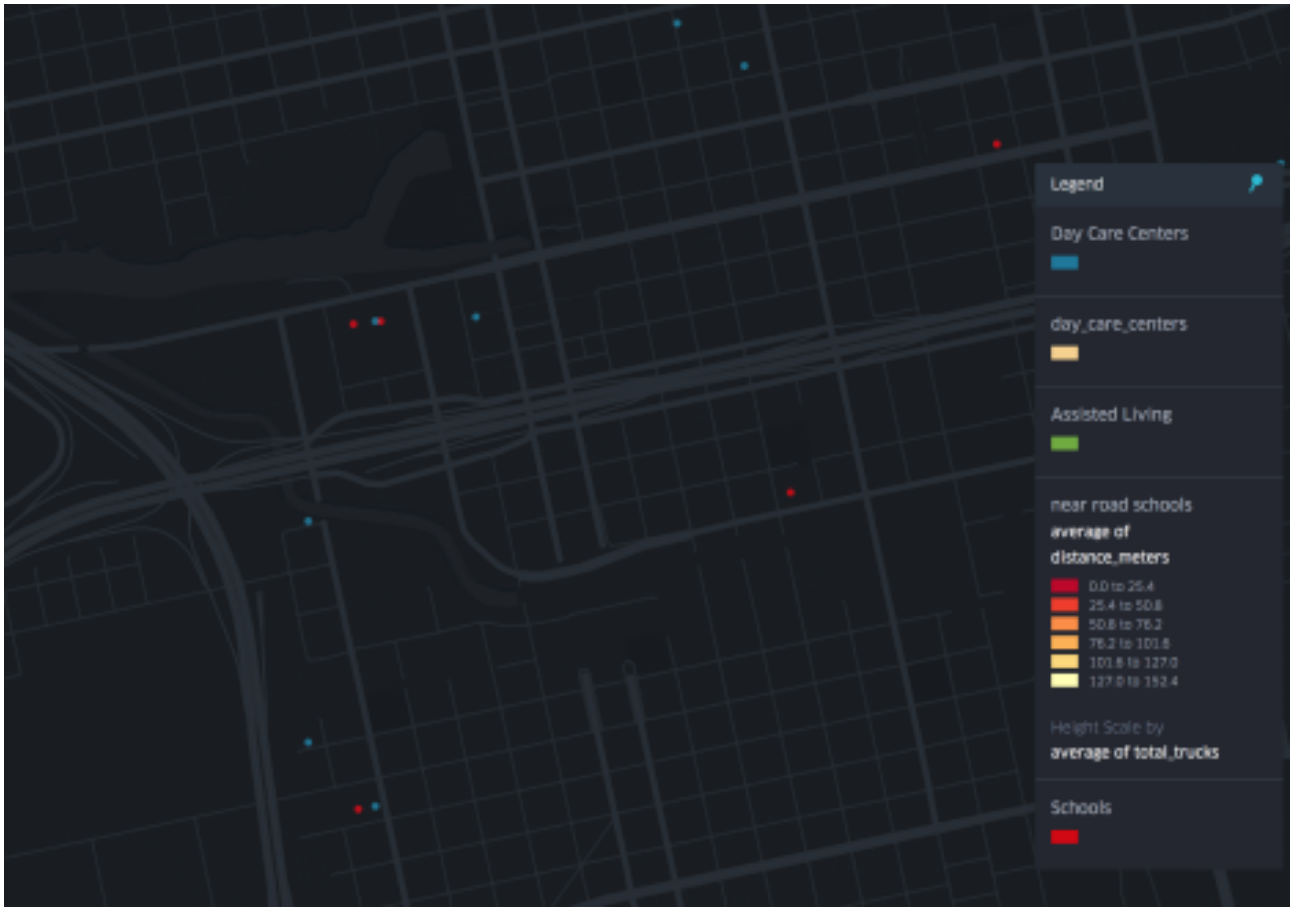
6. Proposed Irrigation Systems
Describe the type of irrigation systems (e.g., drip, overhead spray)

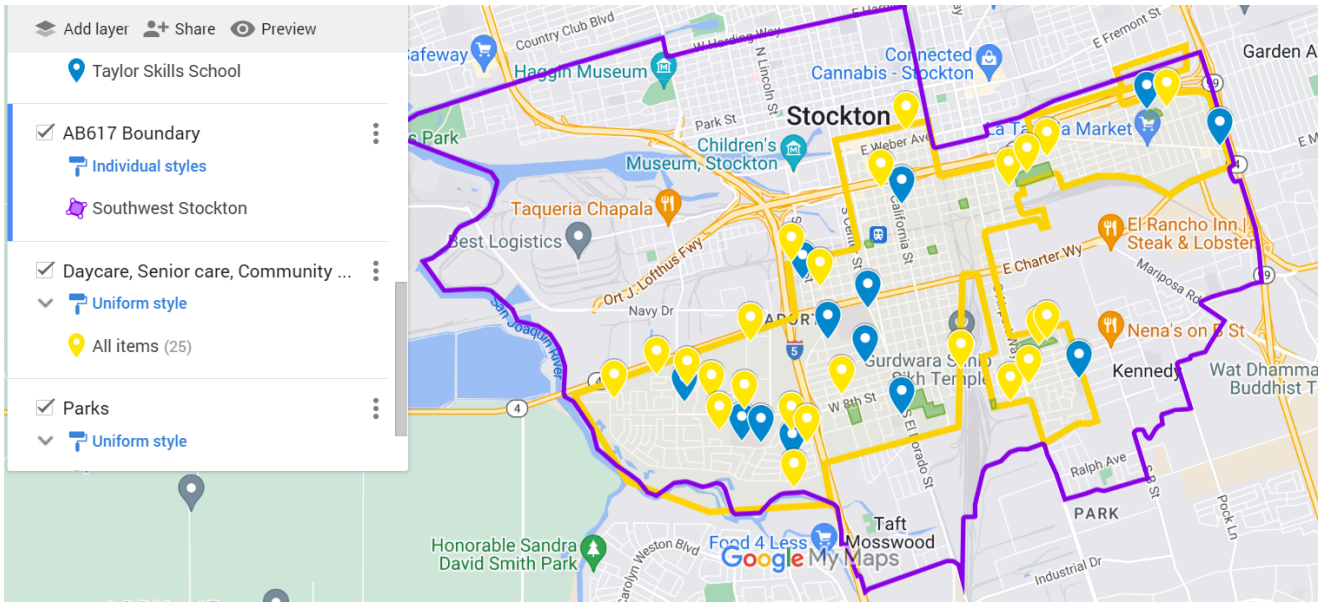
Drip irrigation will be installed for primary water supply to the plants. Additional spray irrigation will also be provided for periodic washing, as evidence shows that in dry climates, vegetative barriers accumulate PM and become less effective.

7. Project Limitations
Describe any possible project limits such as parking, hours of operation, available staffing, user fees, seasonal restrictions, or other ecological considerations.

Lack of available funding for stewardship and maintenance is a critical limitation in the long-term success of urban greening/forestry projects. Another challenge is gaining initial support for greening/planting projects in disadvantaged communities that are most impacted by environmental justice issues. This proposal aims to address both of these challenges, providing funding for stewardship and targeted outreach to communities with sensitive receptors, by leveraging other LMR programs and external partnerships to build strong community connections. In addition, detailed analysis/modeling will support the prioritization of additional locations with the most ecological and social benefits.

8. Sensitive Receptors
Provide a list of sensitive receptors (e.g., schools, day cares, residences) within 1,000 feet of the project





https://www.google.com/maps/d/embed?mid=1XHmyx2XCZ-MFE_YUn5oKboJ7v1zX4u0&hl=en&ehbc=2E312F&ll=37.93857497724839%2C-121.2945915&z=13

Included above is a snapshot of the sensitive receptor database we developed. Access can be provided upon request. A few of the closest receptors include Spanos Elementary (816ft), Hazelton Elementary, and Jubilee Adult Day Program (17ft).

9. Estimated Timeline for Project Implementation

Provide an estimated timeline for project implementation assuming project is notified of grant approval within 90 working days of submittal of application. Include preliminary design, environmental documentation, permitting, long-term operations and maintenance commitments, and any other relevant actions as steps in this timeline. Describe the measures that will be utilized to assure completion of the project within the indicated time.

Date	Year	Action
Q3	2024	Project Implementation Plan
Q3-Q1	2025	Data Collection
Q1	2025	Conceptual Site Design Drawings
Q2-Q3	2025	Community and Stakeholder Engagement
Q3	2025	Site Scale Simulation Modeling
Q3	2025	Concept Report and Presentation to stakeholders
Q4	2025	Design Drawings and Planting Plan approval by Caltrans
Q1	2026	Final Report and Presentation to stakeholders
Q2-Q3	2026	Permitting/CEQA Documentation/Contracts/Easements
Q4	2026	Operation and maintenance manual and specifications
Q1	2027	Procurement and Contracting
Q1-Q4	2027	Site Prep/Planting
Q1-Q4	2028	Project Stewardship, Performance and Monitoring

1. Implementation Plan

This phase entails a detailed implementation plan and timeline creation for site selection, data collection, modeling, planning, securing trees from Devil Mountain Nursery, procurement of equipment and training of staff (includes creation of site and equipment safety protocol with LMR Operations Manager), planting and monitoring. The Implementation phase is expected to include significant meetings with stakeholders, as well as developing a planning group of core stakeholders to incorporate the perspective and leadership of the community.

2. Data Collection

This phase will include informed decision-making using a data driven design methodology harnessing as much information as possible before assessing potential interventions. The data collection and modeling phase will include gathering of historical and existing data, analysis, and significant site specific data and preliminary calculations to establish benchmarks and baseline conditions for environmental justice parameters. Based on the existing assessment, paired with the prioritization, a shortlist of ideal interventions will be identified through the process. For these sites we will conduct a more detailed assessment and create a priority improvement list for long-range budgeting and masterplanning. From the shortlist, preliminary design concepts will be developed for potential locations. Air quality/ pollution concentrations are an essential piece, because these will influence where pedestrian improvements take place (to avoid exposing pedestrians harmful pollutants) as well where vegetated buffers will be situated in order to intercept pollution. The wind

direction will be considered so pollution blows towards vegetated buffers instead of away from or along them.

Spending the first 3 quarters of the implementation period collecting data, conducting environmental modeling and harnessing the data to design the greening interventions and provide the framework for a long term stewardship plan before any tree planting is critical to the successful completion of the project.

3. Conceptual Site Design Drawings and Site Scale Modeling

The vegetated buffer will be designed to effectively reduce airborne pollutants, enhance air filtration, and provide a visually appealing green space. A thorough assessment and site scale modeling will be conducted of the project site to understand its characteristics, such as topography, existing vegetation, nearby pollution sources, and prevailing wind patterns. Comprehensive design concepts will be developed that includes the
selection of appropriate plant species, buffer width, and overall layout. Detailed technical specifications will be prepared outlining the requirements for soil composition, plant selection, planting techniques, irrigation system, and maintenance guidelines. 2D and/or 3D visual representations, renderings, or sketches will be created to help stakeholders visualize the final design and its integration with the surrounding environment.

3. Community Engagement

Though it is important to use data to inform evidence based decision making, it is also important to recognize that there is a long history of plans in this country that have harmed communities in the name of scientific advancement, environmentalism, or civic improvement. This is not just an environmental plan, but an environmental justice plan, and as such one of the key goals is to give disenfranchised communities the ability and tools to participate in decision-making about the environments in which they live and work. Ultimately, the initial prioritization that is undertaken will be used to provide recommendations to the community, who will be the decision makers. As this plan progresses, there will be multiple points in which the team will present data or design solutions to the community in order to get feedback. The knowledge and feedback that the community shares with will be documented, and used to prioritize intervention locations and make design decisions.

Additionally, our LMR's Urban Forestry team will be able to leverage an existing community outreach effort, funded through TCC, that has already made significant progress in the community over the past 3 years. We will be able to sustain key positions designing a block by block, stacked community engagement strategy that will utilize multiple avenues to reach community members: through public planting events, focused door-to-door canvassing, public workshops and info sessions, tabling at community events, all supported by a robust social media campaign. We understand that while many community members want to see new trees planted along our streets and mature trees better maintained, their concerns about maintenance and perceived costs from storm damage or improper care, are valid and have unfortunately proven correct by decisions made in the past. We hope that all of these different avenues to connect with community members will foster trust between us and hesitant residents and property owners; while we won't force tree plantings upon anyone we will properly inform and keep anyone in the loop who initially rejected our offer to plant trees on their property at no cost.

3. Operation Maintenance Manual and Specifications

A maintenance manual will be developed to help us raise our capacity to plant and maintain

the long term health of vegetative barriers planted in the grant period. Irrigation repair, canopy cleaning, and understory thinning will be included in the manual. Along with the O&M manual and community partnerships, LMR will work together to develop a long-term, community-based stewardship program that includes watering, plant and tree maintenance. .

5. Permitting

LMR and Hyphae will work closely with the City and other agencies to meet code and permit requirements. LMR will coordinate the initial and final submittal of the Construction Document sets to the agencies having jurisdiction over the projects in order to accomplish the issuance of any necessary permits. Hyphae will lead the modeling, prioritization, and design of the veg. barriers and we will jointly present them to Caltrans' landscaping division for approval.

4. Project stewardship, performance, and monitoring

During this phase LMR staff will train for site prep, planting, and monitoring and maintenance. Performance will be quantified with before and after data to determine the overall efficacy of the vegetative barriers to reduce air pollution, provide shade, and lower heat island effects. Monitoring is a joint effort between data collected from sensors/environmental modeling and LMR's in-the-field staff who will monitor the viability of trees responding to environmental and health issues. LMR will facilitate partnerships with community-based organizations and will work together to pilot a stewardship program to maintain, monitor, and evaluate implemented projects, including local resident job training and hiring. LMR will work with Caltrans and the District to communicate when trees need to be replaced, are damaged or showing signs of disease, and actively support watering throughout the 10 years of the grant period.

LMR will manage the Grant Agreement including compliance with grant requirements, and preparation and submission of supporting grant documents. LMR will prepare invoices including relevant supporting documentation for submittal and will also coordinate with partnering agencies and managing consultants/contractors. In addition, there will be ongoing participation in meetings with stakeholders and the community; development and implementation of project plans; record-keeping procedures; reporting procedures; and financial tracking and disbursements.

The following deliverables will ensure the project is completed during the proposed timeline:

- Implementation plan and schedule
- Analysis of prioritized planting areas
- Design drawings and planting plans
- Plant list: Identifies the plants that should be used in the various vegetative barrier interventions
- Stakeholder/Community engagement plan and feedback from the District, City, Community, and Caltrans
- Oversee the planting in collaboration with local tree planting groups, job training, organizations, and local contractors
- Develop success criteria
- Project Monitoring Plan: Develop and oversee monitoring protocol for air quality before, during, and after implementation
- O&M Manual
- Pilot a stewardship program to maintain, monitor, and evaluate implemented projects

The proposal includes LMR to plant and maintain the trees and plants for 10 years (importance of securing adequate partnerships through maintenance agreements) LMR will work with the necessary entity to maintain the trees after 10 years and help transition into their inventory. LMR will develop a stewardship program with the community to help with long-term watering and maintenance along with development of an O&M manual and nonprofits/partnerships along with subcontractors will help with the plantings. Performance goals will be established to track progress and LMR will update the community and Valley Air District and will present a final report to all stakeholders.

Additionally, the increase in staffing hours and new positions created through this grant will allow for more time in the field to identify locations for potential vegetative barrier sites and more time dedicated to field maintenance and supporting the Urban Forestry Manager to coordinate supervised work days with participants of our Urban Forestry Training Program. Little Manila's Urban Forestry Program [LMR] started in December of 2022 with funding from the Transformative Climate Communities (TCC) grant. Over the last several year, LMR has been able to successfully launch the Urban Forestry Training Program with the intention of building a new community focused urban forestry labor force focused on giving returning citizens who have served time in the California penal system a fair opportunity to get back on track to employment. The program focuses on hard skill development through on the job experience in all facets of tree establishment such as planting, staking, right tree-right place, and a heavy emphasis on mulching and water management. In post-planting, our participants learn about the importance of soil health, the local soil type, and the unique challenges of keeping young trees alive, not only in times of drought, but in city environments where the societal struggles of homelessness and municipal de-funding of the parks and public works departments have left green infrastructure in decay in the areas of Stockton most in need of canopy renewal. In the past year, we have positioned our organization to be the only community organization in South Stockton with right of way access on street planting locations, residential properties, and city parks.

We have a close and productive relationship with the City Public Works Department and collaborate on planning, planting, and community events hosted at parks around the city. We are completed Round 3 of TCC where our team and the City successfully planted and maintained over 1,400 trees. We have just kicked off another round of funding through TCC that will result in 1,500 more trees planted (1,000 by LMR and 500 by City of Stockton) and 28 more participants trained by 2027. We have been intentional about building a framework for doing urban greening that is built around teaching and practicing stewardship and is a testament to our success that the City has been willing to trust us with increased ownership and responsibility of a large state grant. We will bring our experience working along main roads and traffic arteries to implement a safe, efficient, and successful program for our staff and community.

Hyphae has worked for over a decade as an environmental justice advocate and organizer in Oakland. Founded in an environmental justice community of West Oakland, experiencing unjust exposure to urban health impacts like soil contamination and poor air quality they have developed multibenefit green infrastructure that incorporates vegetated buffers for air filtration, as well as bioremediation strategies for groundwater and soil, with a focus on environmental health. They have been involved with previous projects looking at how sensitive receptors such as schools and community centers are impacted by upstream and

surrounding air pollution sources from freeways and point sources. They have worked with communities in Oakland and the East Bay for a decade to co-found an EJ group to provide proactive community initiated solutions, and now help other communities with similar challenges. Some relevant projects are noted below:

- Greenheart Louisville (Environmental Health focused green infrastructure masterplan) https://greenheartlouisville.com/
- Adapt Oakland (Environmental Health focused green infrastructure masterplan) adaptoakland.org
- Saint Margaret Mary's (School Vegetative Barriers for air quality)
- West Elm (Living Roofs, Bioswales, green walls)
- Los Angeles Roundabout (Bioswales, Air Quality, traffic reengineering)
- Groundwork Richmond (Vegetative Barriers for air quality)

10. Project Implementation

Identify the key individuals responsible for project implementation and their roles.

Name	Title	Org	Project Role
Jasmine Leek	Environmental Justice Director	Little Manila	EJ liaison to air quality monitoring work and AB617
Nicolas Tamayo	Urban Forestry Manager	Little Manila	Project Manager
TBD	Tree Stewardship Lead	Little Manila	Lead crews in maintaining and planting trees
TBD	Tree Crew	Little Manila	conduct stewardship work
James Hansen	Project Management	Hyphae	Project Manager
Ivan Heitmann	Geospatial Engineer	Hyphae	Environmental Modelling of intervention benefits and ecosystem service
Daniel Fleischer	Chief Scientist	Hyphae	Oversee evidence based scientific design process
Mei Visco	Ecologist and Landscape Designer	Hyphae	Plant Selection, Planting Plans, Design
Brent Bucknum	Principal	Hyphae	Principal in Charge
TBD	Forester	Consultant	Review planting sites and plant selection. Batchelder Arborists have been contacted but final arborist has not been selected.
Asa Bradman	Professor	UC Merced	Health and Air quality assessment

11. Project Costs

Describe the estimated costs of the project.

Vegetated Barrier Budget

Item	*Units*	*Unit Cost*	*Total*
Materials			$249,713
(LMR) Trees/Plants (18%)	350	500.00	$175,000
(HYPHAE) Analysis & Site Survey	1	50,000.00	$50,000
(LMR) Marketing (materials, distribution, printing)	1	9,713.00	$9,713
Soil Tests	3	5,000.00	$15,000
Maintenance/Stewardship/Outreach			$ 294,528.00
EJ Internal Director	0.05	41.00	$12,792
UF Director	0.05	37.50	$11,700
Community Forestry Coordinator	0.5	28.80	$89,856
Community Forester	0.5	26.40	$82,368
Community Forester	0.25	26.40	$41,184
EJ Communications Manager	0.05	37.50	$11,700
EJ Communications Coordinator	0.25	28.80	$44,928
See attached detailed budget breakdown			
Contracted Services			$ 292,850.00
Hyphae Design Lab	1	202,850.00	$202,850
Subcontractor - Landscape support	1	90,000	$90,000
Labor/Non-Construction (25%)			$72,000
Local Gov Permit Fees	1	4,000.00	$4,000
LMR Admin	1	68,000.00	$68,000
contingency		*10.00%*	*$90,909*
Total			**$1,000,000**

MAINTENANCE/STEWARDSHIP/OUTREACH BUDGET					
				TOTAL	**$ 294,528.00**
TASK #	**COST CATEGORY**	**COST DESCRIPTION**	**COST PER UNIT ($)**	**UNITS**	**TOTAL PROJECT COST All costs Hourly + 20% benefits**
1	Direct Costs	Environmental Justice Director .05 FTE	$ 41.00	312	$ 12,792.00
1	Direct Costs	Urban Forestry Director .05 FTE	$ 37.50	312	$ 11,700.00
1	Direct Costs	Community Forestry Coordinator .5 FTE	$ 28.80	3120	$ 89,856.00
1	Direct Costs	(1) Community Foresters .5 FTE	$ 26.40	3120	$ 82,368.00
1	Direct Costs	(1) Community Forester .25 FTE	$ 26.40	1560	$ 41,184.00
1	Direct Costs	EJ Communications Manager .05 FTE	$ 37.50	312	$ 11,700.00
1	Direct Costs	Communications Coordinator .25 FTE	$ 28.80	1560	$ 44,928.00

Little Manila Itemized Maintenance/Stewardship/Outreach Budget

Having the requested materials and outreach/stewardship budget allows us to continue long term planting with a more efficient workforce to plant trees in a large area. Recognizing the importance of community engagement, LMR will directly and actively engage community residents during the community engagement phase to ensure that project design and implementation continue to meet the needs of the residents. LMR with partners will conduct outreach and education with community residents to help ensure that identified end users in the community have the knowledge necessary to inform their participation in the decision-making processes.

We received three bids from subcontractors (see supporting documents and bid comparison spreadsheet) which were used as a baseline for estimating their fees in the budget above. Subcontractor funds will be used to partner with a local contractor with machine site-prep and planting capabilities including installation of large trees, which provides a uniform approach to planting rows and offers higher production rates and a higher likelihood of tree survival. LMR will be able to offer in-field training opportunities to TCC funded Urban Forestry Training Program participants, to offer technical training on relevant and current planting and maintenance practices being used by landscaping and arboriculture professionals.

350 trees/plants will be planted within the existing TCC boundaries and all necessary installation materials from the Urban Greening grant will be utilized throughout this project. Maintenance staff will work to ensure the success of this project during the 10 year grant period. Moreover we have allocated a budget for creating new community resources including flyers, brochures, and tabling displays.

12. Funding amount requested:

$1,000,000

13. Additional Funding Secured for this Project:

Additional funding has been received for associated but not direct overlapping work to this project scope. Asa Bradman funding at UC Merced for Air Pollution Monitoring, Shair modeling, TCC Tree planting

CERTIFICATIONS FORM

I have read the Eligibility Criteria and Program Guidelines and I agree to **ALL** the following terms and conditions by **signing below**:

· **I have not purchased, made any payments toward, or began any work, nor will I, until I have an executed contract from the District.**

· I understand that submission of this application does not guarantee incentive funding for the project.

· I am the property owner, have documented authority from the property owner, or have a demonstrated plan to obtain the authority from the property owner to construct and maintain the Urban Greening project as described in the project application.

· I agree to complete the project implementation phase within three years of the contract execution date and maintain the project for a minimum of 10 years.

· I will make the project site available for inspection if requested by SJVAPCD and/or CARB staff during the ten (10) year contract period.

· I will provide photo documentation upon completion of the project.

· I will provide annual or bi-annual status updates in the form of a photo update and/or a tree condition report to ensure project maintenance is occurring throughout the contract period.

· I understand it is my responsibility to contact the local County Agricultural Commissioner's Office before obtaining any plant material originating from outside respective county to ensure all the requirements for movement of plant material into respective county are met.

· I understand, where feasible, projects shall provide public access.

· I will select plant species that maximize GHG reductions and minimize ROG (BVOC) and allergenic pollen.

· Project plan incorporates recommendations in the

anti-displacement resources provided. · All property taxes

are current at the time of application.

· I understand that I am responsible for obtaining any permits required.

· Our organization, along with any project partners have the financial

capacity to complete, operate, and maintain the project.

· I understand that any funds required from other sources must reasonably be expected to be available in the time frame needed to carry out the project.

· I understand that the final funding amount reimbursed may be less than the maximum incentive amount if the final invoice amount for the eligible costs of the project is less than the maximum incentive amount.

· I understand that the selection of a third party contractor to perform any or all of the project is completely my choice and the District does not endorse, or is not in partnership with any such contractors and shall not be responsible for any disputes arising from the work performed between the applicant and the contractor. The District will not be held liable for any disputes, circumstances or events that occur between the applicant and contractor. Contractors are independent contractors; they are not officers, representatives, agents, servants, employees, partners, associates, or joint ventures of the District.

· Projects funded by the District will not be used as marketable emission reduction credits, to offset any emission reduction obligation, or for credit under any federal or state emission averaging, banking and trading program. In addition, projects funded through this program may not be used to generate a compliance extension or extra credit for determining regulatory compliance.

· Any current financial incentive that directly reduces the project cost, including tax credits or deductions, grants, or other public financial assistance for the same project, must be disclosed to the District.

I hereby certify that all information provided in this application and any attachments are true and correct to the best of my knowledge.

Signing Authority's Signature: Date: 11/17/22

Nicolas Tamayo

Print Name: Title

Nicolas Tamayo Urban Forestry Manager

APPLICATION PACKET CHECKLIST

All proposals must be submitted according to specifications set forth in the RFP. Failure to adhere to these specifications may cause for rejection of proposal. Once submitted, proposals cannot be altered without the prior written consent of the District. A complete application packet includes the following items:

❑ Completed **Application**, no fields left blank.

❑ Completed **Certifications Form** section, signed by **Applicant.**

❑ First page of IRS **Form W-9.**

❑ Copies of the applicant's results from the "GHG Summary" tab and "Co-benefit Summary" tab from the **California Natural Resources Agency (CNRA) Draft Urban Greening Benefits Calculator Tool**

❑ Dated and itemized **Quote(s)** for the project costs.

❑ Aerial map of the project from an online resource

❑ Photographs of the project site and a representation of the project plan area (i.e. site plan).

All proposals are due no later than 5:00 PM, September 2**, 2022. Late proposals will not be accepted under any circumstances.**

Please submit your completed application packet via one of the following methods below to avoid duplicate submittals:

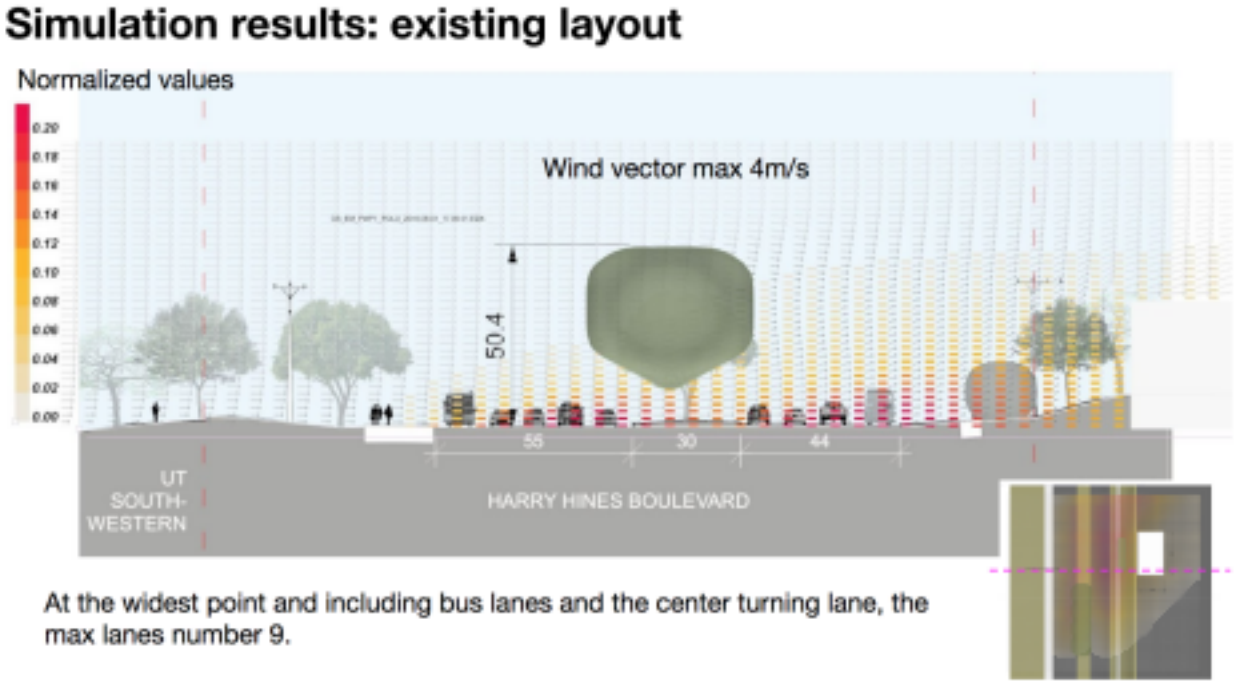
Email: grants@valleyair.org
(Subject line must indicate Stockton Urban Greening Incentive Program and applicant's name) **-or**
Mail: SJVAPCD
Attn: Grants and Incentives
1990 East Gettysburg Avenue
Fresno, CA 93726-0244

Don't forget to retain a full copy of the completed application for your own records. For additional assistance, please contact staff in the Grants Department at (559) 230-5800

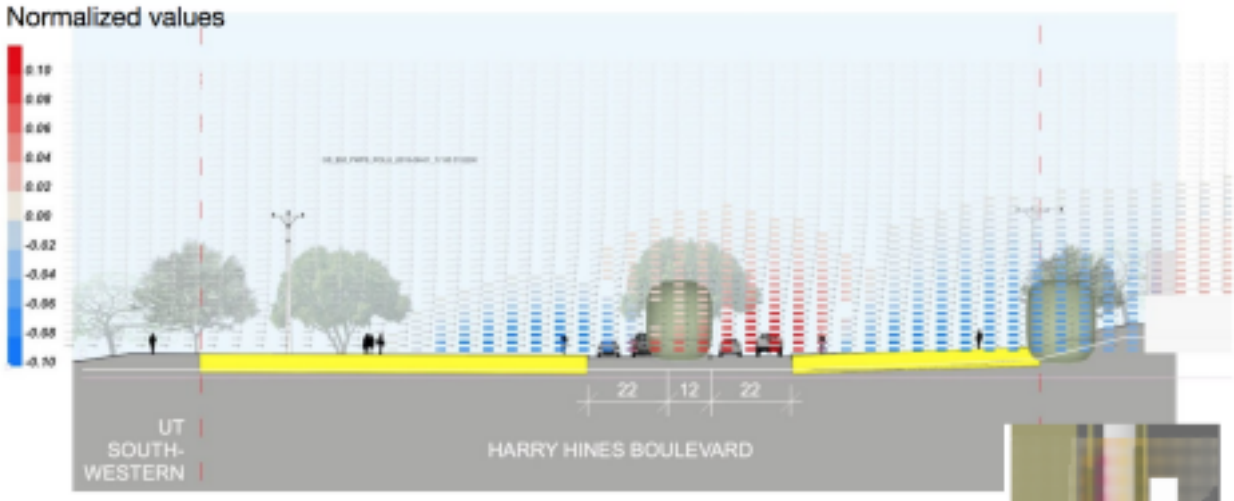
Appendix

Vegetative Barrier Installation Examples

Pollution and Air Modeling examples.



Narrow median+hedge row



This comparison shows confounding factors: the traffic lanes previously spaced farther apart are now more tightly clustered; the pressure differentials caused by the momentum sink may contribute to a more contained plume.