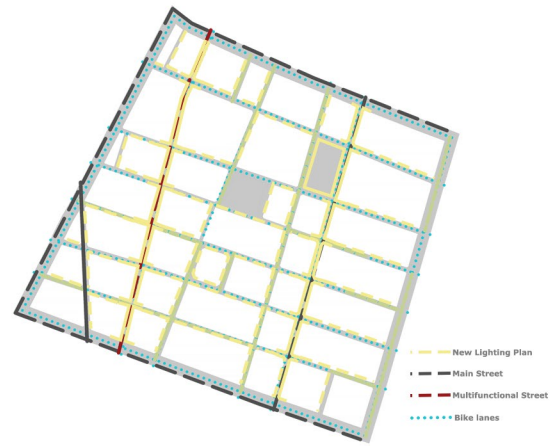




Phase 1: Regeneration Of Abandoned and Unutilized area



Phase 3: Street restoration and new traffic plan



Phase 2: Improve green network



Phase 4: Construction of "Pasos Verde"

Phases	Approval Process	Time period			
		Site Preparation and Initial Work Including demolish and infrastructural adjustments	Construction Phase Including restoration and implementations	Final Touches and Opening Including Testing the adjustments and Inspections and Final Approvals	Initial Establishment
1 Regeneration Of Abandoned and Unutilized area	Average of 3 month building permit	6 months	months 12	months 3	
2. Improve green network	Average of 3 month Construction permit	7 months	12-24 Monthes	months 4	Trees: 3-10years/ Shrubs:6months to 1 year / Ground Cover and Grasses: 3-6 months/ Perennials and Flowering Plants: 3-6 months
3.Street restoration and new traffic plan	Average of 3 month Construction permit	3-5 monthes	6-18 monthes	1-3 monthes	
4. Construction of "Pasos Verde"	Average of 3 month Construction permit	3-5 monthes	months 6-12	1-3 monthes	

Challenges and Solutions

Phase 1: Regeneration Of Abandoned and Unutilized area

-Site Contamination: Abandoned areas may have environmental contaminants.
-Funding: Securing adequate funds for regeneration.
-Community Resistance: Potential pushback from locals concerned about changes.

-Site Remediation: Conduct environmental clean-ups and use remediation techniques.
-Mixed Funding: Combine public funds, private investments, and grants.
-Engagement and Education: Involve the community in planning and educate them on benefits.

Phase 2: a Improve green network

-Space Constraints: Limited space in urban areas for green infrastructure.
-Maintenance: Ensuring long-term upkeep of green spaces.
-Integration: Seamlessly integrating green spaces with existing urban infrastructure.

-Innovative Design: Utilize vertical gardens, green roofs, and small pocket parks.
-Community Programs: Establish volunteer groups for maintenance.
-Professional Planning: Hire experienced landscape architects to design integrated green networks.

Phase 3: Street restoration and new traffic plan

-Traffic Disruption: Construction can cause significant traffic delays.
-Public Opposition: Resistance from residents and businesses affected by changes.
-Coordination: Managing multiple stakeholders and project phases.

-Phased Construction: Implement the project in phases to minimize disruption.
-Public Communication: Keep the public informed and involved through regular updates.
-Dedicated Project Manager: Assign a project manager to ensure smooth coordination.

Phase 4: Construction of "Pasos Verde"

-Funding: Securing finances for construction and long-term maintenance.
-Accessibility: Ensuring pathways are accessible to all, including people with disabilities.
-Environmental Impact: Minimizing the impact on existing ecosystems during construction.

-Diverse Funding: Utilize grants, public funds, and private partnerships.
-Inclusive Design: Design pathways to be universally accessible.
-Sustainable Practices: The construction materials have been chosen from eco-friendly and localized materials.

Budget Estimation of Process

1. Regeneration of Abandoned and Unutilized Areas

Site Assessment and Environmental Studies: \$15,000\$ - 5,000 USD
 Demolition and Site Clearing: \$25,000\$ - 10,000 USD
 Environmental Remediation: \$50,000\$ - 25,000 USD
 Planning and Design Fees: \$20,000\$ - 10,000 USD
 Permits and Approvals: \$7,500\$ - 2,500 USD
 Community Engagement and Outreach: \$5,000\$ - 2,500 USD
 Project Management: \$15,000\$ - 7,500 USD

2. Improve Green Network

Site Assessment and Planning: \$10,000\$ - 5,000 USD
 Landscape Architecture Fees: \$20,000\$ - 10,000 USD
 Permits and Environmental Impact Assessments: \$7,500\$ - 2,500 USD
 Labor Costs for Planting and Installation: \$30,000\$ - 15,000 USD
 Irrigation and Maintenance Setup: \$12,500\$ - 5,000 USD
 Community Engagement and Workshops: \$5,000\$ - 2,500 USD
 Project Management: \$10,000\$ - 5,000 USD

Total Estimated Budget

Low Estimate: **\$264,000 USD**
 High Estimate: **\$512,500 USD**

3. Street Restoration and New Traffic Plan

Traffic Studies and Surveys: \$10,000\$ - 5,000 USD
 Engineering and Design Fees: \$25,000\$ - 15,000 USD
 Permits and Approvals: \$10,000\$ - 5,000 USD
 Labor for Roadwork and Construction: \$50,000\$ - 25,000 USD
 Traffic Control and Management During Construction: \$12,500\$ - 5,000 USD
 Public Communication and Outreach: \$5,000\$ - 2,500 USD
 Project Management: \$20,000\$ - 10,000 USD

4. Construction of "Pasos Verde" (Green Pathways)

Site Assessment and Planning: \$10,000\$ - 5,000 USD
 Design and Architecture Fees: \$20,000\$ - 10,000 USD
 Permits and Environmental Impact Assessments: \$7,500\$ - 2,500 USD
 Labor for Pathway Construction: \$30,000\$ - 15,000 USD
 Accessibility Features Installation: \$10,000\$ - 5,000 USD
 Sustainable Practices Implementation: \$7,500\$ - 2,500 USD
 Community Engagement and Workshops: \$5,000\$ - 2,500 USD
 Project Management: \$10,000\$ - 5,000 USD

Budget Estimation "Pasos Verde " Construction

3166 roof of "future section of path" adobe total	-Adobe (roof): \$ 1719.78 USD	Total Estimated Budget
166.88 total Exhibition glasses	-Exhibition Glasses: \$ 2719.49 USD	
396 Total walls of "present section of the path" Adobe	-Adobe (walls): \$ 215.11 USD	\$ 151562.32USD
120 fabric the roof of local market all	-Fabric: \$ 977.76 USD	
550 colorful tiles	-Colourful Tiles: \$ 5975.22 USD	
2048 Total bamboo bar for the future path	-Bamboo Bars (future path): \$ 5562.39 USD	
3072 Total number of pots	-Pots: \$ 6674.87 USD	
80 Total bamboo bar for the Local market	-Bamboo Bars (local market): \$ 217.28 USD	
15648 Total pavment	-Pavement: \$127500.42USD	

References:

Guadalajara City Government
 RSMeans(U.S.-based construction cost data)
 Mexican Association of Engineering and Construction (AMICAC)(Provides industry-specific data and standards for Mexican construction projects.)
 Mexican Association of Urban Planners (AMPU)(Offers resources and guidelines for urban development projects in Mexico.)
 Local Architecture and Engineering Firms
 Universities and Research Centres
 Previous Projects in Guadalajara