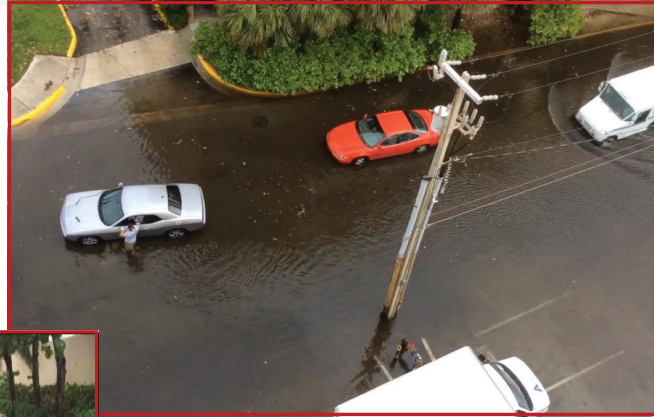
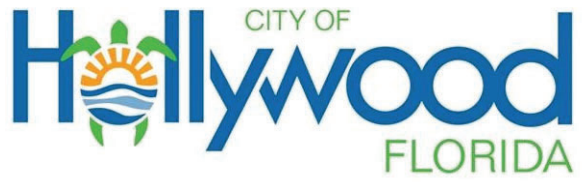




HOLLYWOOD COASTAL ROAD RESILIENCY

Florida Department of Environmental Protection
Resilient Florida Program



GRANT APPLICATIONS AVAILABLE FOR REVIEW

RCP Grant Applications

Application Type	Applicant Name	Project Name
☐ Funding for Resilient Florida – Infrastruct...	City of Hollywood	Coastal Roadway Resiliency
☐ Funding for Resilient Florida – Infrastruct...	City of Hollywood	Sunset Park

◀ ▶

View Existing Application

Application

Resilient Florida – Infrastructure Grants

1. Applicant Information

Applicant Account ⓘ

City of Hollywood



Applicant Grant Manager ⓘ

gus zambrano



Applicant Authorized Signee ⓘ

Wazir Ishmael



Applicant Fiscal Agent ⓘ

David Keller



2. Project Information

*

Choose the Entity Category:



County, Municipality, or Authorized Special District Addressing Risks of Flooding or Sea Level Rise Identified in a Vulnerability Assessm... ▼

Choose the project type you are submitting:



Available

Adapt critical assets to effects of flooding and sea level rise

Mitigate threats from flooding and sea level rise



Chosen

Transportation and Evacuation

Coastal Flood Control

Cultural or Community Resource

Domestic Wastewater Infrastructure

*(required) Project Title 

Coastal Roadway Resiliency

List the City(ies)/ Town(s)/Village(s) 

City of Hollywood

Project Geo Location

Latitude

Longitude

Project Location (narrative)



The proposed project is located in Hollywood, Florida, an urban coastal community of 153,067. The Coastal Roadway Resiliency project will take place along 18 parallel streets from SR A1A at the west end to Surf Road at the eastern limit of the project site. The series of east-west streets are located on the barrier island between the Intracoastal Waterway and the Atlantic Ocean. Each segment is about

State Lands or State Parks Utilized 

No

Area Served



Available

Alachua

Baker

Bay

Bradford

Brevard

Chosen

Broward

Sponsor City/County 

--None--

2A. General Information

▼ Background

Explain the demonstrated need(s) and how the project will address those needs.

The City of Hollywood

The project is situated on a barrier island that separates the Atlantic Ocean from the Intracoastal Waterway (ICW). The east-west

Explain how the proposed project fits into the Project Types chosen above.

The proposed project will address the project type of “Transportation and Evacuation.” The Coastal Roadway Resiliency project is an innovative transportation initiative to enhance the resiliency and accessibility in a coastal area that is vulnerable to flooding due to sea-level rise and rain events. A truly regional project, this initiative will reconstruct eighteen (18) City of Hollywood streets and

2B. Project Scoring Criteria

> Tier 1 Criteria Information

> Tier 2 Criteria Information

> Tier 3 Criteria Information

> Tier 4 Criteria Information

> Additional Information

> Multiagency Information

3. Project Work Plan

Please review the RPG Project Types and Annual Priorities. If including any letters of support or other materials, they should specifically address the Work Plan.

Project Summary ⓘ

The proposed project will represent one of the most significant resiliency efforts in the community. The elevation of the roadways along with the hardening of utilities and improvements to the stormwater system in the coastal area will provide long-term protection from the impacts of severe flooding conditions caused by sea-level rise and natural disasters.

Project Description ⓘ

The proposed project will reconstruct eighteen (18) City of Hollywood streets that will allow for the elevation of the roadways and incorporate infrastructure improvements that include:

Files Uploaded

Name	Type
7-COH E-W Streetscape - Phase IV Revised Estimate	PDF
Coastal Roadway Resiliency Cost Share Doc.	PDF
Coastal Roadway Resiliency Impact Area Map	PDF
Project Flood Conditions Photographs	PDF
Coastal Roadway Resiliency Typical Design	PDF

Application Tasks

Complete information about the Tasks

Tasks

Task Number	Title	Work Performed By	Task Description
☐ 1	Bidding and Contractor Select...	Contractor only	The City will utilize th
☐ 2	Construction	Contractor only	The selected contract
☐ 3	Project Management	Contractor only	The City will engage a

Input task information below.

At least one task is required to submit the application.

Please select “Create New Project Task” to save the record. Once a task is created, it will be added to the table above. To add additional tasks, update the details below and select “Create New Project Task”.

To edit a task after creation, you must delete the entry and create a new task to replace it with the correct details. To delete, select the arrow on the table next to the associated task, and select "delete". Then enter the correct task information below and select “Create New Task”.

Application Tasks Budget Category

Tasks Budget Category

Task Number	▼	Budget Expense A
☐ 1		\$0.00
☐ 2		\$12,200,491.00

Input task budget category information below.

Select “Create New Application Task Budget” to save the entry. Repeat for each task until completed. If multiple budget categories are needed for a single task, submit multiple entries until the budget for that task is completed.

Application Tasks Personnel Grantee

Task Personnel Grantee

Complete information about the Task Personnel

Task Number	▼	Position Title	▼	Maximum Hours
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NOTE: This section is only necessary if the GRANTEE is performing work on the project as indicated previously under “Task Category.” This section is NOT required if a contractor is the only budget category on the project.

Enter the Task Personnel Information for the Grantee

City of Hollywood

Coastal Roadway Resiliency

1. APPLICANT INFORMATION

Municipality:	City of Hollywood
Grant Manager:	Gus Zambrano
Authorized Signee:	Dr. Wazir Ishmael
Fiscal Agent:	David Keller

2. PROJECT INFORMATION

Project Type - *Highlight the project type:*

☐	Mitigate threats from flooding and sea level rise
☐	Coastal flood control
☐	Cultural or community resource
☐	Domestic wastewater infrastructure
☐	Drinking water supply
☐	Emergency facilities
☐	Land acquisition and conservation
☐	Living shoreline and erosion control
☐	Natural system restoration
☐	Stormwater infrastructure
☒	Transportation and evacuation
☐	Utilities infrastructure
☐	Preconstruction Activities - including design and permitting
☐	Industrial Wastewater Infrastructure
☐	Neighborhood-scale Property Floodproofing and Elevation

Project Title

Coastal Roadway Resiliency

Project Geo Location (optional)

Latitude:	
Longitude:	

Project Location (narrative)

The proposed project is located in Hollywood, Florida, an urban coastal community of 153,067. The Coastal Roadway Resiliency project will take place along 18 parallel streets from SR A1A at the west end to Surf Road at the eastern limit of the project site. The series of east-west streets are located on the barrier island between the Intracoastal Waterway and the Atlantic Ocean. Each segment is about one block in length for a total of about two miles of roadways that will be improved. The 18 streets in the project area are identified on the location map provided.

The project impact area consists of the area being served by the 18 streets that are part of the project scope. The 18 east-west streets are generally located south of the Hollywood Boulevard Bridge between Harrison Street on the north to Magnolia Street on the south and from the eastern boundary of SR A1A to the western edge of the Historic Hollywood Beach Boardwalk. The area, which is part of the

Hollywood Community Redevelop Agency (CRA) boundary, is primarily residential with a population of 27,954. Persons of Hispanic origin represent 39.2% of the population in the identified area compared to 18.8% of the U.S. population. Currently, 37.0% of the 21,541 housing units in the area are owner-occupied; 28.9%, renter occupied; and 34.1% are vacant while the median household income is \$58,023 and the median home value in the area is \$336,584. The median age in this area is 52.6 compared to the U.S. median age of 38.5. A map of the project impact area is attached.

State Lands Utilized

	Yes
x	No

Area Served (County):	Broward
Sponsor County:	

BACKGROUND

Explain the demonstrated need the project will address those needs.

The City of Hollywood

The project is situated on a barrier island that separates the Atlantic Ocean from the Intracoastal Waterway (ICW). The east-west streets connect to SR A1A, which is the major north-south corridor traversing the barrier island and serves as the sole hurricane evacuation route. Surface water ponding, inverted elevations, and poor drainage on the east-west streets pose a risk to motorists and pedestrians. Current flooding conditions from moderate weather events dramatically impact lack of access for residents and visitors from the east-west streets to SR A1A and pose a safety concern. Public safety is compromised by these flooding conditions which are not draining adequately, thus preventing daily normal activity and access for emergency service vehicles from reaching their destination. Frequently, cars are forced to park on SR A1A and search for assistance to assess their properties. High-level water ponding impacts motorists and the City's transportation circulator, which runs on an electric battery charge, causing vehicles to stall out and eventual damage.

The need to mitigate not only existing vulnerabilities to flooding but the increasing threats the area faces from changes in the climate that impact sea-level rise and cause more frequent and severe rain events is well defined. Whether it be a rain event, tidal event, or a combination of both with compound flooding, protecting the roadways is critical in emergency preparedness and response. Access to A1A, which serves as a hurricane evacuation route, makes surface water ponding a risk to motorists both before and during emergency evacuations. These side streets have sections that are lower in elevation than SR A1A and therefore, represent the deepest flooding in the area. Even in non-emergency, day-to-day operations, the risk is to vehicles as they access SR A1A from these City streets to traverse the only north-south transportation spine on the Barrier Island. Cars are stalling out and it is dangerous for pedestrians. The presence of such flooding is prevalent along these side streets. The vulnerability to flooding in the project impact area impacts emergency response and post-disaster recovery, threatening public safety, health, and property. The flooding levels are increasing year over year and the situation is expected to continue to worsen with sea-level rise.

Explain how the proposed project fits into the Project Types chosen above.

The proposed project will address the project type of "Transportation and Evacuation." The Coastal Roadway Resiliency project is an innovative transportation initiative to enhance the resiliency and

accessibility in a coastal area that is vulnerable to flooding due to sea-level rise and rain events. A truly regional project, this initiative will reconstruct eighteen (18) City of Hollywood streets and incorporate streetscape infrastructure improvements to include undergrounding of overhead utilities, reconstruction of all eighteen (18) streets, new coastal landscape and irrigation, and new marine turtle-friendly pedestrian and vehicular street lighting.

The improvements to the roadways in the project area will address existing flooding that occurs throughout the year and impacts not only the transportation facilities but also emergency response and critical assets in the area such as new drainage structures and hardening utilities and power lines. However, while all the components of the project improve resiliency, the protection of the roadways will provide the most significant benefits. The elevation and drainage improvements along the roadways will develop reliable access for emergency responders and public safety personnel. The reconstruction of the roadways will also protect the residents' access to the only evacuation route, A1A. Post-disaster recovery will also be improved as personnel and equipment from both public and private entities will be able to access the area sooner after an event and bring infrastructure and services back online. Access to homes and businesses will also be able to occur sooner, allowing for residents and stakeholders to return to the area to assess damage, make repairs, and facilitate an effective post-disaster recovery.

PROJECT SCORING CRITERIA

Tier 1 Criteria Information

Does the project reduce risk of flooding or sea level rise identified in a comprehensive vulnerability assessment or the comprehensive statewide flood vulnerability and sea level rise assessment?

	Yes
x	No

If Yes, please explain.

--

Does the project reduce risk of compound flooding identified in a vulnerability assessment or the comprehensive statewide flood vulnerability and sea level rise assessment?

	Yes
x	No

If Yes, please explain.

--

Does the project reduce risk to or adapt a regionally significant asset? This can include relocation.

	Yes
	No

If Yes, please explain.

--

What percent of critical assets in the project impact area are considered to be vulnerable?

	None
	1 - 19%
	20 - 39%
	40% - 59%
	60 - 79%
x	80% or more

Please describe the method used to determine the percent selected as well as provide a list of critical assets in the project impact area.

All critical assets in the project are vulnerable to both flooding and other weather-related impacts such as high winds. The critical assets in the project impact area include Hollywood Fire and Beach Safety, Station 40, evacuation route, wastewater and stormwater lift stations, drinking water facilities, electric transmission lines, and Hollywood Beach recreational areas.

Does the project contribute to existing flood mitigation projects that reduce upland flood damage cost by incorporating new or enhanced structure or natural system restoration and revegetation?

	Yes
X	Yes, by incorporating new or enhanced structure
	Yes, by incorporating natural system restoration and revegetation
	Yes, by incorporating BOTH new or enhanced structure AND natural system restoration and revegetation
	No

If Yes, please explain.

The project is part of a resiliency effort started by both the City and the Hollywood CRA. As climate change and developing resilient facilities have become a priority, investment in stormwater facilities and constructing drainage elements has increased. Effective flood control, especially in coastal areas such as the project site is critical in reducing the cost of damage to property and infrastructure. When streets flood, impacts are not limited to the roadways. Adjacent properties can incur damage including damage to structures and fixtures as well as the buildings' contents and may develop into dangerous moldy conditions – a common situation in Coastal Florida homes where water intrusion has occurred. Street flooding can cause damage ranging from interior costs to total property losses. The proposed project will reduce the potential upland damage costs by installing new drainage facilities that have been designed to convey stormwater away from the roadways and structures.

Tier 2 Criteria Information

What is the current frequency of flooding or erosion in the project impact area?

	No Current flooding or erosion
	Has experienced flooding or erosion in the last 3 years
X	Has been flooded at least 3 times in the last 5 years or is experiencing ongoing erosion

If area has been flooded 3 times in 5 years or is experiencing ongoing erosion, please explain and provide documentation.

The project area floods repeatably during rain and tidal events. Flooding has occurred more than three times in the last five years. Photographs are provided to document the existing conditions.

What is the current severity of flooding or erosion in the project impact area?

	None
	No current flooding or erosion
X	Flooding greater than 3 inches in last 3 years or has ever experienced unmitigated erosion
	Flooded greater than 1 foot in the current and each of the previous three calendar years, has been flooded for 7 consecutive days, or erosion is critical for the critical asset class

If the project impact area has been flooded greater than 1 foot in the current and each of the previous three calendar years, has been flooded for 7 consecutive days, or erosion is critical for the critical asset class, please explain and provide documentation.

The project area floods repeatably during rain and tidal events. Many of these flooding events have produced water levels greater than one foot in areas within the project impact area. Photographs are provided to document the existing conditions.

Status of project design

	Not Designed
X	Partially designed or site-specific environmental or geotechnical reports have been completed
	Design is complete (To receive points for a completed design, plans properly certified by a professional in the relevant field must be submitted with the application.)

Permitting and easement acquisition status

X	Necessary permits and easements have been identified
	All permits have been applied for or at least one permit has been approved
	All necessary permit(s) and easement(s) have been authorized/obtained
	No permits or easements are required for the project

If applicable, please provide a list of necessary permits/easements and application statutes.

The project will require permits from the following entities:

- City of Hollywood Building Department
- FDEP- Florida Fish and Wildlife CC
- Surface Water Management
- Broward County - Traffic Engineering Division
- Broward County Environmental Resource Permit

Are local funding sources committed as cost share or is the project in a financially disadvantaged small community as defined in 380.093(5)(e), F.S.?

X	Yes
	No

If yes, please explain and provide documentation.

The City of Hollywood through the Community Redevelopment Agency has committed the 50% cost share required for the project through an adopted resolution as part of another grant request. The entire cost share will be funded with local dollars from the City. Documentation of the local cost share is attached.

Does the project include environmental habitat enhancement or nature-based solutions?

	Yes
x	No

If yes, please explain

--

Does the project impact area include area that is identified as state or federal critical habitat for threatened and endangered species?

X	Yes
	No

If Yes, please explain.

From March through October, Hollywood beaches experience high levels of sea turtle nesting. During this time, these creatures will return to their home beaches to lay eggs. Loggerhead, green, and leatherback—three species of endangered sea turtles—nest in the beaches along Florida’s Atlantic coast, including Hollywood Beach. Artificial lighting with green and blue tones can attract turtles away from the beach and toward development areas and street traffic, resulting in the death of countless turtle hatchlings. The project will include the installation of turtle-friendly lighting with amber and red tones, that provides sufficient lighting for the safety of pedestrians while encouraging turtles to remain on the beaches.

Is the project cost-effective?

X	Yes
	No

If Yes, please explain.

The City has completed a Benefit-Cost Analysis (BCA) as part of its preliminary design and planning. Using the U.S. DOT adopted methods for the Benefit-Cost Analysis (BCA), the benefit/cost ratio for the Project is estimated at 1.45:1, which makes the project extremely cost-effective. The high level of benefits to cost was based on an analysis of resiliency of critical assets, emergency response, evacuations, safety for drivers and pedestrians, O & M, public cost during construction, and residual values. All these components were factored against the cost to construct the project over a 20 year period. The completion of the project will provide such high levels of benefits including resiliency that the cost required to complete the project, while seemingly high, makes the initiative cost-effective.

Tier 3 Criteria Information

Is 50% local, state, or federal cost share secured for the project?

	No (unless the project is in a financially disadvantaged small community)
	Yes (Cost share has been identified but not appropriated or released)
X	Yes (Cost share has been secured)
	The project is in a financially disadvantaged small community and cost share is not required

If 50% cost share has been secured, please provide documentation with the application.

The City of Hollywood through the Community Redevelopment Agency has committed the 50% cost share required for the project through an adopted resolution as part of another grant request. The entire cost share will be funded with local dollars from the City. Documentation of the local cost share is attached.

Has state funding previously been awarded for the project? If so, for what?

x	None
	Preconstruction activities other than design and permitting
	Design
	Permitting
	Construction (previous phases)

If previous state funding was awarded, please explain and provide documentation.

Will this project exceed Florida Building Code flood-resistant requirements and local floodplain management regulations?

	Yes
x	No

If Yes, please outline the specific requirements and details relating to how the design exceeds the criteria in order to receive full points.

--

Tier 4 Criteria Information

Does this project include innovative technologies designed to reduce project costs and provide regional collaboration?

x	Yes
	No

If yes, please specify which technologies will be used and explain why they are innovative as well as how they will reduce cost and provide regional collaboration.

The protection of the transportation facilities in the project area will further the regional collaboration between the City, CRA, and the Broward MPO. The project will improve elements of their transportation system while at the same time preserving the transportation history of the community. The project creates transportation-oriented development to serve both pedestrians and bicyclists, as well as city and county residents. The project will reconstruct an obsolete publicly owned asset to create and enhance reliability and mobility in the project area spurring economic development and innovative transportation alternatives. The mitigation of local flooding will increase the opportunity for use of electric transit vehicles furthering the reach of this innovative technology.

Does the critical asset being adapted or the project impact area contain a financially disadvantaged community?

	Yes
X	No

If yes, please explain the metric used to determine financial disadvantage (ex. Local income compared to state average).

--

ADDITIONAL INFORMATION

Will this project benefit a spring?

	Yes
x	No

If yes, please explain.

--

Will this project protect water sources using alternative water supplies?

	Yes
x	No

If yes, please explain.

--

Will this project construct, upgrade, or expand facilities to provide waste treatment?

	Yes
X	No

If yes, please explain.

--

Will this project convert septic to sewer?

	Yes
x	No

If yes, please explain.

--

Does this project include green stormwater infrastructure?

	Yes
x	No

If yes, please explain.

--

Has this project been submitted to other programs for funding?

x	Yes
	No

If yes, please explain.

The project was submitted for funding through the RAISE program administered by FDOT. The project was not selected for funding. No other programs have been applied to for funding.

What is the population of your community? 153,067

Multiagency Information

Estimated Project Duration

	6 Months
	12 Months
	18 Months
	24 Months
	30 Months
X	36 Months
	42 Months
	48 Months

***Permitting**

Brief description of expected permit determinations necessary for project completion or relevant permit information once permitted.

The preparation of final design documents and plans is currently underway. In addition, the permitting process has been initiated. The required permits consist of the following:

- City of Hollywood Building Department – currently under review
- FDEP- Florida Fish and Wildlife CC
- Surface Water Management
- Broward County - Traffic Engineering Division
- Broward County Environmental Resource Permit

***Lands, Easements, Rights of Way**

Brief description of acquisitions or permissions necessary for project completion or relevant information once acquired.

There are no other approvals or acquisitions needed outside of the permits identified above.

Critical Infrastructure

X	Yes
	No

Project located in a Coastal Zone?

X	Yes
	No

SLIP Study Required?

	Yes (Upload SLIP Study output)
X	No

Source of Match

X	Local Funds
	State Funds
	Federal Funds

Funding Mechanism – Program utilized or local funding mechanism

The City will utilize funding from the Community Redevelopment Agency to provide the 50% cost share.

Local Project Phase

	Planning
X	Pre-construction (design, permitting, etc.)
	Construction
	Post-construction monitoring
	Closed

3. PROJECT WORK PLAN

Please review the RPG Project Types and Annual Priorities. If including any letters of support or other materials, they should specifically address the Work Plan.

Project Summary

The proposed project will represent one of the most significant resiliency efforts in the community. The elevation of the roadways along with the hardening of utilities and improvements to the stormwater system in the coastal area will provide long-term protection from the impacts of severe flooding conditions caused by sea-level rise and natural disasters.

Project Description

The proposed project will reconstruct eighteen (18) City of Hollywood streets that will allow for the elevation of the roadways and incorporate infrastructure improvements that include:

1. Raising the roadway profile eight (8) inches and installing additional drainage structures
2. Undergrounding of the overhead power lines
3. Replacing roadway asphalt surfaces with permeable pavers
4. Harmonizing the adjacent properties with the new, higher roadway profile
5. Installing or reconstructing ADA-compliant sidewalks
6. Installing new, pedestrian, and turtle-friendly lighting
7. Replacing landscaping and irrigation, as well as public furnishings along the streets

The typical street width is 40 feet and will be totally reconstructed with valley gutter and sidewalk on both sides as shown on the typical section attached. New drainage structures will be provided corresponding to the new grades. Landscape and irrigation will be provided at isolated island locations. Environmentally and sea turtle-friendly streetlights will be installed on each street to improve safety for motorists and pedestrians. Overhead utilities will be buried underground along each of the streets. The street profiles will be raised up to 8" without negatively impacting the adjacent private properties. However, harmonization of the new grades to existing private properties will be required. Harmonization limits for one of the streets are shown on the typical section attachment.

The project is currently in the design phase. All permitting and approvals needed to complete the project will be obtained as part of the process. If federal funding is part of the project, the preliminary planning that included collaboration with the Broward County MPO expects the NEPA process to result in a Categorical Exclusion (CATEX). The completion of the NEPA process will also be part of the final design and permitting phase.

An Order of Magnitude Cost Estimate was prepared for the project by a consultant to provide the most accurate and detailed costs for completing the scope of work. The estimated cost for implementation of the project is \$26,550,000. While values have changed and some of the original work is now being completed by FDOT, the comprehensive estimate is attached for reference.

TASKS

Task 1

Task Title

	Pre-design or Feasibility Study
	Data Collection or Study
	Stakeholder Coordination and Planning
	Design and Permitting or Preconstruction Activity
	Project Management
X	Bidding and Contractor Selection (required to be included prior to construction, if project includes construction)
	Construction
	Monitoring
	Public Education
	Equipment Purchase

Work Performed by:

	Grantee Only
	Contractor Only
X	Grantee and Contractor

Task Description

The City will utilize the design consultant that completed the plans and permitting to develop the bid package including construction specifications. The consultant will also provide technical assistance during the bid process by attending pre-bid meetings, responding to questions from contractors, issuing addendums, and determining the eligibility of the submissions. The consultant, in coordination with City staff, will develop a ranking of the submission leading to the engagement of the contractor.

Goal

Complete an efficient, compliant, and effective competitive bid process that selects the contractor best able to implement the project.

Time of Completion

X	1-6 Months
	1 Year
	2 Years
	3 Years
	Other – add time to completion →

Select deliverables associated with each task. If your expected deliverable is not part of the field, enter into 'Other Deliverable' field

	Final pre-design documents, feasibility study, or comparable certificate of completion, signed by a Florida-registered Professional Engineer. If applicable, the Sea Level Impact Projection study report.
	Final report or study to include the process and methodology and any data gaps.
	A summary report from each workshop or meeting, including attendee feedback and outcomes, and a copy of all materials created at each workshop or meeting.
	Final design documents signed by a Florida-registered Professional Engineer. If applicable, final permit documents from all appropriate state and federal regulatory agencies.

	Project management reports signed by the Florida-registered Professional Engineer, to include a summary of project and site inspection(s), meeting minutes, and field notes, as applicable.
X	Public notice of advertisement for the bid, complete bid package, and written notice of selected contractor(s).
	Final design and Certificate of Occupancy (if applicable) and Certificate of Completion signed by a Florida-registered Professional Engineer.
	Copy of completed monitoring data, surveys, and final reports for the permit-required work, and documentation of submittal to the appropriate state or federal regulatory agencies.
	Copy of printed material for distribution, including text and graphics, link to website material developed, and dated photograph(s) of installed materials at the project location, if applicable.
	Purchase order(s) and vendor invoice(s) for delivery, installation, and other necessary costs, as applicable.
	Copies of all appraisals, the closing statement or all closing documents, title exam/insurance, property survey, boundary map, and the deed, recorded easement, or property interest.
	Dated color photographs of on-going work and a signed acceptance of the completed work to date, as provided in the Grantee's Certification of Payment Request.
	Meeting agenda and sign-in sheets indicating location, date, and time of meeting
	Presentation(s) from the meeting
	Summary report including attendee input and meeting outcomes defining motivations, geographic context, relevant assets, and planning goals for the project
	Report outlining the data compiled and findings of the gap analysis
	A summary of recommendations to address the identified data gaps and actions taken to rectify them, if applicable
	GIS files with appropriate metadata of the data compiled, to include locations of critical assets owned or maintained by the county/municipality and regionally significant assets, classified as defined in s.380.093(2) 1-4, F.S.
	A report summarizing the areas identified as focus areas, with justification for choosing each area
	Tables listing each focus area with any critical assets that are contained inside the focus area
	Maps illustrating the location of each focus area compared to the location of all critical assets within the geographic extent of the study
	Final Vulnerability Assessment Report detailing the findings, including illustrations via maps and tables, based on the statutory scenarios and standards outlined in the Technical Standards Guidance
	A final list of critical and regionally significant assets that are impacted by flooding, prioritized by area or immediate need, specifying for each asset which flood scenario(s) it was impacted by
	Letter to FDEP and Florida Division of Emergency Management (FDEM) Mitigation Bureau Planning Unit, signed by the LMSWG Chair, or Designee
	Draft comprehensive plan coastal management element language in strike-through and underlined format that satisfies the Peril of Flood requirements in s. 163.3178(2)(f), F.S.

Expense Budget Category

X	Contractual Services
X	Salary/Fringe
	Equipment
	Miscellaneous/Other Expenses
	Land Acquisition

Budget Amount: \$0.00

Match Amount: \$0.00

Task 2

Task Title

	Pre-design or Feasibility Study
	Data Collection or Study
	Stakeholder Coordination and Planning
	Design and Permitting or Preconstruction Activity
	Project Management
	Bidding and Contractor Selection (required to be included prior to construction, if project includes construction)
X	Construction
	Monitoring
	Public Education
	Equipment Purchase

Work Performed by:

	Grantee Only
X	Contractor Only
	Grantee and Contractor

Task Description

The selected contractor will implement the project as specified in the bid. The contractor shall coordinate all aspects of the construction with City staff and the construction manager.

Goal

Complete the construction of the project as designed resulting in an adaptation of critical assets to protect against flooding and sea-level rise.

Time of Completion

	1-6 Months
	1 Year
	2 Years
X	3 Years
	Other – add time to completion →

Select deliverables associated with each task. If your expected deliverable is not part of the field, enter into 'Other Deliverable' field

	Final pre-design documents, feasibility study, or comparable certificate of completion, signed by a Florida-registered Professional Engineer. If applicable, the Sea Level Impact Projection study report.
	Final report or study to include the process and methodology and any data gaps.
	A summary report from each workshop or meeting, including attendee feedback and outcomes, and a copy of all materials created at each workshop or meeting.
	Final design documents signed by a Florida-registered Professional Engineer. If applicable, final permit documents from all appropriate state and federal regulatory agencies.
	Project management reports signed by the Florida-registered Professional Engineer, to include a summary of project and site inspection(s), meeting minutes, and field notes, as applicable.
	Public notice of advertisement for the bid, complete bid package, and written notice of selected contractor(s).
	Final design and Certificate of Occupancy (if applicable) and Certificate of Completion signed by a Florida-registered Professional Engineer.

	Copy of completed monitoring data, surveys, and final reports for the permit-required work, and documentation of submittal to the appropriate state or federal regulatory agencies.
	Copy of printed material for distribution, including text and graphics, link to website material developed, and dated photograph(s) of installed materials at the project location, if applicable.
X	Purchase order(s) and vendor invoice(s) for delivery, installation, and other necessary costs, as applicable.
	Copies of all appraisals, the closing statement or all closing documents, title exam/insurance, property survey, boundary map, and the deed, recorded easement, or property interest.
	Dated color photographs of on-going work and a signed acceptance of the completed work to date, as provided in the Grantee's Certification of Payment Request.
	Meeting agenda and sign-in sheets indicating location, date, and time of meeting
	Presentation(s) from the meeting
	Summary report including attendee input and meeting outcomes defining motivations, geographic context, relevant assets, and planning goals for the project
	Report outlining the data compiled and findings of the gap analysis
	A summary of recommendations to address the identified data gaps and actions taken to rectify them, if applicable
	GIS files with appropriate metadata of the data compiled, to include locations of critical assets owned or maintained by the county/municipality and regionally significant assets, classified as defined in s.380.093(2) 1-4, F.S.
	A report summarizing the areas identified as focus areas, with justification for choosing each area
	Tables listing each focus area with any critical assets that are contained inside the focus area
	Maps illustrating the location of each focus area compared to the location of all critical assets within the geographic extent of the study
	Final Vulnerability Assessment Report detailing the findings, including illustrations via maps and tables, based on the statutory scenarios and standards outlined in the Technical Standards Guidance
	A final list of critical and regionally significant assets that are impacted by flooding, prioritized by area or immediate need, specifying for each asset which flood scenario(s) it was impacted by
	Letter to FDEP and Florida Division of Emergency Management (FDEM) Mitigation Bureau Planning Unit, signed by the LMSWG Chair, or Designee
	Draft comprehensive plan coastal management element language in strike-through and underlined format that satisfies the Peril of Flood requirements in s. 163.3178(2)(f), F.S.

Expense Budget Category

X	Contractual Services
	Salary/Fringe
	Equipment
	Miscellaneous/Other Expenses
	Land Acquisition

Budget Amount: \$12,200,491

Match Amount: \$12,200,491

Task 3

Task Title

	Pre-design or Feasibility Study
	Data Collection or Study
	Stakeholder Coordination and Planning
	Design and Permitting or Preconstruction Activity
X	Project Management
	Bidding and Contractor Selection (required to be included prior to construction, if project includes construction)
	Construction
	Monitoring
	Public Education
	Equipment Purchase

Work Performed by:

	Grantee Only
	Contractor Only
X	Grantee and Contractor

Task Description

The City will engage a construction manager to perform inspections and reporting, coordinate with stakeholders, review payments, certify completion, and complete all approvals for permitting. The manager will also assist the City with the administration of the grant funding. This could include reporting, reimbursement, and providing technical data if required.

Goal

Ensure the project is completed as designed, on time, within the cost identified, and all compliance requirements are satisfied.

Time of Completion

	1-6 Months
	1 Year
	2 Years
X	3 Years
	Other – add time to completion →

Select deliverables associated with each task. If your expected deliverable is not part of the field, enter into 'Other Deliverable' field

	Final pre-design documents, feasibility study, or comparable certificate of completion, signed by a Florida-registered Professional Engineer. If applicable, the Sea Level Impact Projection study report.
	Final report or study to include the process and methodology and any data gaps.
	A summary report from each workshop or meeting, including attendee feedback and outcomes, and a copy of all materials created at each workshop or meeting.
	Final design documents signed by a Florida-registered Professional Engineer. If applicable, final permit documents from all appropriate state and federal regulatory agencies.
x	Project management reports signed by the Florida-registered Professional Engineer, to include a summary of project and site inspection(s), meeting minutes, and field notes, as applicable.
	Public notice of advertisement for the bid, complete bid package, and written notice of selected contractor(s).

x	Final design and Certificate of Occupancy (if applicable) and Certificate of Completion signed by a Florida-registered Professional Engineer.
x	Copy of completed monitoring data, surveys, and final reports for the permit-required work, and documentation of submittal to the appropriate state or federal regulatory agencies.
	Copy of printed material for distribution, including text and graphics, link to website material developed, and dated photograph(s) of installed materials at the project location, if applicable.
	Purchase order(s) and vendor invoice(s) for delivery, installation, and other necessary costs, as applicable.
	Copies of all appraisals, the closing statement or all closing documents, title exam/insurance, property survey, boundary map, and the deed, recorded easement, or property interest.
x	Dated color photographs of on-going work and a signed acceptance of the completed work to date, as provided in the Grantee's Certification of Payment Request.
	Meeting agenda and sign-in sheets indicating location, date, and time of meeting
	Presentation(s) from the meeting
	Summary report including attendee input and meeting outcomes defining motivations, geographic context, relevant assets, and planning goals for the project
	Report outlining the data compiled and findings of the gap analysis
	A summary of recommendations to address the identified data gaps and actions taken to rectify them, if applicable
	GIS files with appropriate metadata of the data compiled, to include locations of critical assets owned or maintained by the county/municipality and regionally significant assets, classified as defined in s.380.093(2) 1-4, F.S.
	A report summarizing the areas identified as focus areas, with justification for choosing each area
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	Final Vulnerability Assessment Report detailing the findings, including illustrations via maps and tables, based on the statutory scenarios and standards outlined in the Technical Standards Guidance
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	Letter to FDEP and Florida Division of Emergency Management (FDEM) Mitigation Bureau Planning Unit, signed by the LMSWG Chair, or Designee
	Draft comprehensive plan coastal management element language in strike-through and underlined format that satisfies the Peril of Flood requirements in s. 163.3178(2)(f), F.S.

Expense Budget Category

x	Contractual Services
	Salary/Fringe
	Equipment
	Miscellaneous/Other Expenses
	Land Acquisition

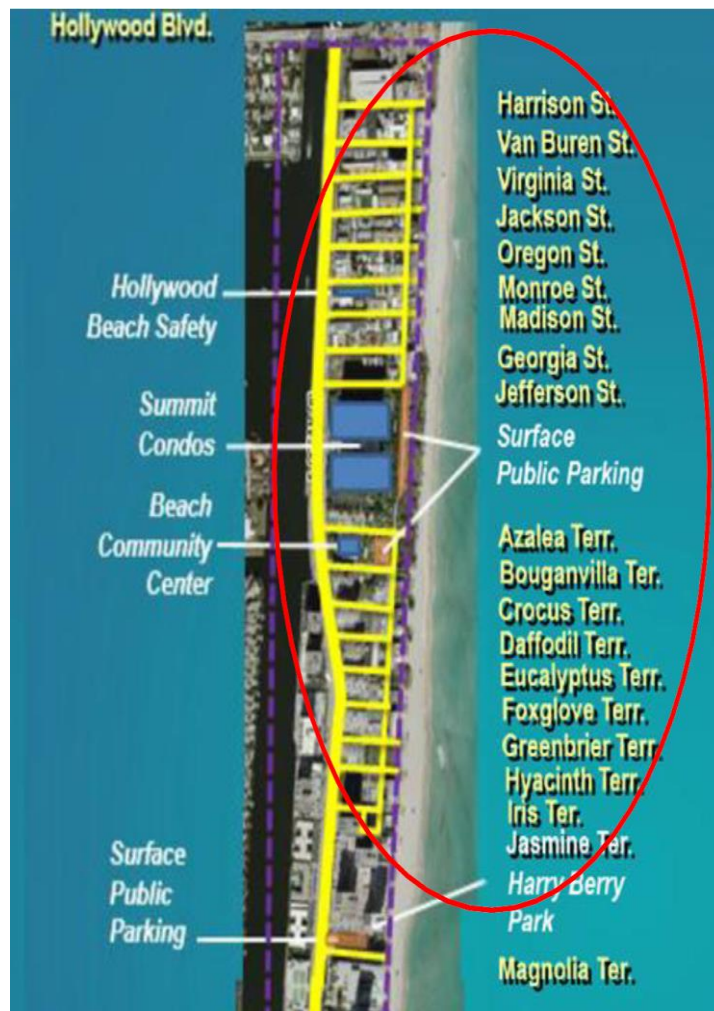
Budget Amount: \$1,074,509

Match Amount: \$1,074,509



Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)



Estimate Date: September 25, 2019 (Revision)

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Basis of Estimate

Project Description

RIB U.S. Cost was tasked by the City of Hollywood Community Redevelopment Agency (CRA) to provide an Order of Magnitude Cost Estimate for the Phase IV - Undergrounding of Overhead Utilities and Streetscape Beautification project for the East-West Streets from Harrison Street to Magnolia Terrace. This Order of Magnitude Cost Estimate is based on the interpretation of the detail drawings provided by the City of Hollywood CRA on July 29, 2019.

The project consists in undergrounding overhead utilities and new streetscape for 18 East/West streets and Surf Road. The streets considered in this estimate are: Harrison St., Van Buren St., Virginia St., Jackson St., Oregon St., Monroe St., Madison St., Georgia St., Jefferson St., Azalea Terrace, Bougainville Terrace, Crocus Terrace, Daffodil Terrace, Eucalyptus Terrace, Foxglove Terrace, Greenbriar Terrace, Hyacinth Terrace, Magnolia Terrace and Surf Road.

This Order of Magnitude cost estimate evaluates the following alternatives:

- (1) Base Bid - price Phase IV following design and details used under previous project phases, which includes undergrounding of overhead utilities and utilizing pavers for roadways and sidewalks.
- (2) Alternate 1 - Asphalt pavement in lieu of pavers within roadway and parking spaces.
- (3) Alternate 2 - Asphalt pavement in lieu of pavers within roadway and parking spaces and substitution of sidewalk pavers with regular concrete.
- (4) Alternate 2a - Asphalt pavement in lieu of pavers within roadway and parking spaces and add colored flags within the sidewalk using integral colored concrete.

In addition, this task also includes an estimated cost of annual maintenance for roadways and sidewalks based on the assumptions provided by the City of Hollywood Community Redevelopment Agency during the September 11, 2019 meeting.

The estimate includes the following scope of work:

- Demolition of existing asphalt pavement including crosswalks near A1A
- Demolition of existing sidewalks and driveways within the 40' right of way
- Demolish existing concrete curbs and gutters
- Tree removal
- Traffic sign removal
- Removing existing electrical poles and overhead wires
- Roadway earthwork, including excavation, grading and compaction
- Subgrade & base construction
- Sidewalk and concrete curb construction
- Furnish and install precast concrete pavers on roadways, street ends, sidewalks and crosswalks.
- Furnish and install new signage
- Undergrounding overhead utilities, such as FP&L power lines, Comcast cable TV lines, AT&T telephone lines and street lighting utilities
- New street light poles
- Relocation of fire hydrants
- New landscape and irrigation system
- Adjustment of valve boxes and storm inlets
- Allowance for additional furnishing at street ends
- Allowance for the construction of a new restroom building

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Basis of Estimate

Estimate Assumptions

- The Estimate assumes this project will be bid out by public invitation and awarded to a single Contractor who will supervise and coordinate the required trade contractors (subcontractors) and may self-perform a portion of the work. General requirements, coordination, scheduling, QA/QC, safety and other Division 1 requirements will be managed by the Contractor.
- The estimate is based on a site visit from August 22, 2019 and drawings provided by the City of Hollywood CRA.
- It was assumed that all materials will be procured by the contractor.
- Utilities across A1A will be installed using trenchless methodology (directional drill); while utilities along E/W streets will be installed by open trench.
- Proposed right of way width for E/W streets is 40' (from back of sidewalk to back of sidewalk).
- All overhead utilities shall be buried assuming no conflicts with existing underground utilities.
- Contractor to furnish and install conduits and wires. Connection to transformer and other main sources to be done by the utility company.
- Assumed the project will be constructed as a single project, with minimal phases.
- Working hours assumed between 8:00 AM and 5:00 PM, 5 days per week.
- Cost estimate assumes existing water valves can be shut off to perform required offset work.
- Assumed that portions of roadways will be closed to vehicular traffic during construction.
- Prices are based on re-using excavated material for backfill. No unsuitable subsoil excavation, removal or replacement.
- Restroom building included located in Jefferson street end.

Estimate Exclusions

- Overtime, shift differential or schedule compression.
- Unforeseen conditions except those addressed in the estimate.
- Cost estimate does not include any cost for disposal/treatment of contaminated ground water if encountered during dewatering operations.
- Additional cost for directional drilling due to obstructions found during work along the E/W streets.
- Material procurement by the City of Hollywood
- Implementation of a dewatering system.
- Field maintenance cost.
- Hazardous Waste removal and/or disposal including contaminated soil.
- Excludes the costs for removal / remediation of asbestos cement pipe or any other hazardous materials.
- Design Fees & Design Administration (Construction Administration).
- Permitting, Owner's Project Management, Owner's Contingency and other Soft Costs.
- Cost estimate does not include an annual maintenance agreement
- Cost estimate does not include FPL's binding cost estimate, Comcast, or AT&T.
- Cost estimate does not include any traffic signal removal or replacement
- Cost estimate does not include any design, engineering or installation fees which may be charged to the Owner by franchise utility companies.



Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Basis of Estimate

Construction Manager at Risk Markups

Cost estimate assumes a CM at Risk.

The estimate includes a 30.65% (compounded) Construction Management Markups - it includes 11% for General Conditions, 10% for Construction Management fees and 7% for Profit.

Allowances & Contingencies

A recommended Direct Cost Development Allowance of 9% has been applied to the Total Direct Cost on the Estimate Summary to cover final changes to the drawings, unknown project requirements, and unknown existing conditions that may interfere with or complicate the current project, estimating omissions and other unknowns.

In addition, the estimate includes a 2% for Maintenance of Traffic and Phasing.

Escalation Cost

This estimate includes a 3.5% per year project Escalation applied from the date of the estimate to an anticipated midpoint of construction (September 24, 2022). Project was assumed to have a 36 months duration.

Estimate Qualifications

This estimate assumes a competitive bid and is an opinion of probable costs based on fair market value and is not a prediction of the anticipated low bid.

RIB U.S. Cost has no control over the cost of labor and materials, the General Contractor's or any Subcontractor's method of determining price or competitive bidding and market conditions. This opinion of probable costs of construction is made based on the experience, qualifications and best judgment of the Cost Estimator.

RIB U.S. Cost cannot, and does not, guarantee that proposals bid, or actual construction costs will not vary from this or subsequent estimates.

RIB U.S. Cost has prepared this estimate in accordance with generally accepted cost estimating and practices and standards.

Soft Costs

Owner related Project Soft Costs including Surveying and Testing, Permitting Costs, Project Administration, etc. are not included in this Estimate Report.

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Estimate Summary

		Phase IV Estimate
CONSTRUCTION COST		
Direct Construction Cost		\$ 19,360,529
General Conditions	11.0%	\$ 2,129,658
Construction Management Fee	10.0%	\$ 2,149,019
Profit	7.0%	\$ 1,654,744
Total Construction Cost (2019 dollars)		\$ 25,293,950
Escalation Cost from 2019 to mid point of construction	10.9%	\$ 2,757,041
Sub-total:		\$ 28,050,991
Total Estimated Guarantee Maximum Price:		\$ 28,050,991
ALTERNATE OPTIONS		
<u>Alternate 1</u> - Asphalt pavement in lieu of pavers within roadway and parking spaces		\$ (2,056,617)
<u>Alternate 2</u> - Asphalt pavement in lieu of pavers within roadway and parking spaces and substitution of sidewalk pavers with regular concrete		\$ (2,383,142)
<u>Alternate 2a</u> - Asphalt pavement in lieu of pavers within roadway and parking spaces and add colored flags within the sidewalk using integral colored concrete		\$ (2,256,831)

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Escalation Cost

Schedule Reference:	Assumed
Estimate Date:	September 25, 2019

Description	Start	Finish	Project Duration					Mid Point	Mid Point from Estimate Date (Months)	Escalation (3.50%)
East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)	03/25/21	03/24/24	36.0	Months	or	1095	Calendar Days	09/24/22	36.1	10.90%



Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

**Cost Estimate
Project Areas**

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Project Areas

STREET NAMES	ROADWAY AREAS	SIDEWALK AREAS	TOTAL AREAS
Harrison Street	17,595 S.F.	5,185 S.F.	22,780 S.F.
Van Buren Street	17,246 S.F.	5,719 S.F.	22,965 S.F.
Virginia Street	17,384 S.F.	5,752 S.F.	23,136 S.F.
Jackson Street	17,308 S.F.	5,781 S.F.	23,089 S.F.
Oregon Street	16,680 S.F.	5,859 S.F.	22,539 S.F.
Monroe Street	17,783 S.F.	5,922 S.F.	23,705 S.F.
Madison Steet	17,761 S.F.	5,899 S.F.	23,660 S.F.
Georgia Street	17,697 S.F.	5,971 S.F.	23,668 S.F.
Jefferson Street	22,285 S.F.	5,941 S.F.	28,226 S.F.
Azalea Terrace	20,931 S.F.	2,845 S.F.	23,776 S.F.
Bouganvilla Terrace	15,232 S.F.	2,810 S.F.	18,042 S.F.
Crocus Terrace	13,746 S.F.	3,245 S.F.	16,991 S.F.
Daffodil Terrace	12,222 S.F.	2,229 S.F.	14,451 S.F.
Eucalyptus Terrace	13,544 S.F.	0 S.F.	13,544 S.F.
Foxglove Terrace	9,896 S.F.	1,896 S.F.	11,792 S.F.
Greenbriar Terrace	9,664 S.F.	1,717 S.F.	11,381 S.F.
Hyacinth Terrace	10,344 S.F.	2,069 S.F.	12,413 S.F.
Magnolia Terrace	13,638 S.F.	0 S.F.	13,638 S.F.
Surf Road	37,486 S.F.	0 S.F.	37,486 S.F.
	318,442 S.F.	68,840 S.F.	387,282 S.F.



Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

**Cost Estimate
Cost Summary**

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Base Bid - Cost Summary

Item Description	Unit Cost	UOM	Project Total	
			QTY	Total Cost
PHASE IV STREETScape - HARRISON STREET TO MAGNOLIA TERRACE				
DEMOLITION				
SITE DEMOLITION				
Removing sod / planter	\$0.05	S.F.	602	\$30
Demolish A1A Crosswalk, asphalt/paver and concrete base	\$3.50	S.F.	5,729	\$20,052
Demolish, concrete curbs	\$6.50	L.F.	5,144	\$33,436
Demolish, concrete gutters, exceeding 8" wide	\$6.50	L.F.	10,628	\$69,082
Demolish A1A Crosswalk handicap ramp	\$3.50	S.F.	2,610	\$9,135
Demolish, bituminous pavement, 3" thick	\$0.80	S.F.	337,962	\$270,370
Demolish, concrete sidewalk, 4" thick, excludes hauling	\$3.40	S.F.	45,724	\$155,462
Demolish, concrete sidewalk, 6" thick, excludes hauling	\$3.40	S.F.	15,869	\$53,955
Demolish bituminous sidewalk, 2-1/2" thick, excludes hauling	\$0.80	S.F.	1,606	\$1,285
Removing trees, (Assumes 2 ea per street)	\$190.00	Ea.	36	\$6,840
Demolish, traffic signage, (Assumes 5 ea per street)	\$65.90	Ea.	122	\$8,040
Demolish, parking meter, (Assumes 2 ea per street)	\$106.10	Ea.	36	\$3,820
Allowance for Final Cleanup	\$1,000.00	LS	22	\$22,000
ELECTRICAL DEMOLITION				
Remove Pole and OH wire, including disposal	\$6,090.00	Ea.	110	\$669,900
Remove Pole and OH wire, including disposal - StreetEnd	\$6,090.00	Ea.	9	\$54,810
EARTHWORK				
EARTHWORK				
Roadway excavation and stockpile	\$7.10	C.Y.	15,649	\$111,108
Landscape planter excavation	\$13.90	C.Y.	467	\$6,491
Grade & Compact for curbs	\$11.30	S.Y.	7,138	\$80,659
Grade & Prep private property restoration	\$8.50	S.Y.	2,370	\$20,145
Grade & compact roadway subgrade	\$2.10	S.Y.	35,095	\$73,700
Grade & compact sidewalk subgrade	\$6.80	S.Y.	8,040	\$54,672
Roadway load surplus excavated soil, skid steer loader	\$21.60	C.Y.	16,116	\$348,106
Final grading, machine	\$2.00	S.Y.	48,256	\$96,512
PAVEMENT				
SUBGRADE & BASE CONSTRUCTION				
Prepare & roll sub-base for roadways	\$1.70	S.Y.	37,211	\$63,259
Geotextile fabric, heavy duty, 600 lb. tensile strength (Assume 30% of road subbase)	\$3.00	S.Y.	11,173	\$33,519
12" thick Limerock base	\$22.20	S.Y.	35,745	\$793,539
8" thick Limerock base	\$17.40	S.Y.	5,853	\$101,842
6" thick Limerock base	\$15.00	S.Y.	8,576	\$128,640
Asphalt Paving, 3" thick, property tie-in, outside ROW, (Assumes 120 SY per street)	\$25.80	S.Y.	2,280	\$58,824

Order of Magnitude Cost Estimate
East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)
Base Bid - Cost Summary

Item Description	Unit Cost	UOM	Project Total	
			QTY	Total Cost
SIDEWALK & CONCRETE CURB CONSTRUCTION				
Curbs & gutters Type "F"	\$28.70	L.F.	1,184	\$33,981
Curb Header 24" x 12"	\$32.50	L.F.	6,530	\$212,225
Curb Type "D"	\$20.70	L.F.	5,528	\$114,430
Drop Curb / Valley Gutter	\$17.20	L.F.	16,366	\$281,495
6" thick concrete subslab for crosswalk at A1A	\$4.60	S.F.	5,728	\$26,349
Master Meter foundation, (Assumes 1 ea per street)	\$518.00	EA	18	\$9,324
4" thick, concrete sidewalk property tie-in, (Assumes 45 sf per street)	\$5.20	S.F.	810	\$4,212
6" thick handicap ramp with truncated domes (A1A)	\$860.00	EA	36	\$30,960
PAVERS				
Furnish Precast Concrete Roadway pavers, 80mm thick (Type I)	\$3.30	S.F.	280,122	\$924,403
Furnish Precast Concrete Sidewalk pavers, 60mm thick (Type E)	\$5.00	S.F.	67,613	\$338,065
Furnish Precast Concrete Streetend pavers, 80mm thick (Type A)	\$3.10	S.F.	17,074	\$52,929
Furnish Reflective Striping pavers, 80mm thick, Type I - (Assumes 0.59 sf per LF of street)	\$4.30	S.F.	4,837	\$20,799
Furnish ADA tactile warning tiles, 60mm thick, Type M	\$4.00	S.F.	1,224	\$4,896
Install Precast Concrete Roadway pavers	\$2.00	S.F.	280,122	\$560,244
Install Precast Concrete Sidewalk pavers	\$2.00	S.F.	67,613	\$135,226
Install Precast Concrete Streetend pavers	\$2.00	S.F.	17,074	\$34,148
Install Reflective Striping pavers	\$2.00	S.F.	4,837	\$9,674
Install ADA tactile warning tiles	\$5.70	S.F.	1,224	\$6,977
Furnish & install, 1" thick sand bed at pavers	\$0.80	S.F.	370,870	\$296,696
Additional cost for wave pattern paver installation at Streetend	\$2.00	S.F.	9,279	\$18,558
Pressure wash pavers	\$0.50	S.F.	370,870	\$185,435
Furnish Precast Concrete pavers at A1A crosswalk, 80mm thick, Type I, exclude special colors	\$4.30	S.F.	5,728	\$24,630
Furnish & install, 1" thick sand bed at A1A crosswalk	\$0.80	S.F.	5,728	\$4,582
Pressure wash pavers at A1A crosswalk	\$0.50	S.F.	5,728	\$2,864
Install Precast Concrete pavers at A1A crosswalk	\$2.00	S.F.	5,728	\$11,456
SIGNAGE & STRIPING				
12" x 18" roadway signs, includes posts (Assumed 15 Ea per street)	\$200.00	Ea.	302	\$60,400
Epoxy paint on pavers with reflective beads	\$2.15	S.F.	4,837	\$10,400

Order of Magnitude Cost Estimate
East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)
Base Bid - Cost Summary

Item Description	Unit Cost	UOM	Project Total	
			QTY	Total Cost
UTILITIES				
WATER				
Relocate Hydrants (Assumed 2 Ea per street)	\$5,220.00	Ea.	38	\$198,360
8" Water main offset relocations at planter islands, s (Assumed 2 Ea per street)	\$9,470.00	Ea.	38	\$359,860
2" Irrigation Service at each StreetEnd s (Assumed 70 lf ea)	\$17.80	LF	1,330	\$23,674
Supply & install meter box, 12" x 24" box, excludes piping, excavation and backfill. (Assumed 1 Ea per street)	\$106.70	Ea.	19	\$2,027
Adjust valve box (Assumed 7 Ea per street)	\$246.70	Ea.	133	\$32,811
Sample Point (Assumed 1 Ea per street)	\$803.30	Ea.	19	\$15,263
Utility location / exploration by vacuum Potholing (Allowance per street)	\$2,295.00	EA	19	\$43,605
Water meter & connection fee, 2" diameter. (Assumed 1 Ea per streetend)	\$2,400.00	Ea.	19	\$45,600
STORM DRAINAGE				
Demolish Existing Drainage Structure (Assumed 2 Ea per street)	\$803.30	Ea	38	\$30,525
Demolish RCP storm pipe. (Assumed 40 lf per street)	\$28.70	LF	760	\$21,812
Shift Catch Basin (Assumed 1 Ea per street)	\$2,868.80	Ea	19	\$54,507
Type B Inlet w/ 6310. (Assumed 1 Ea per street)	\$3,844.20	Ea	19	\$73,040
Type B Inlet w/ 5106-6149. (Assumed 1 Ea per street)	\$4,131.10	Ea	19	\$78,491
18" A-2000 PVC Storm pipe, (Assumed 40 lf per street)	\$75.70	LF	760	\$57,532
18" Tie-in w/ concrete collar. (Assumed 1 Ea per street)	\$918.00	Ea	19	\$17,442
SEWER				
Extend clean out for proposed restrooms	\$33.30	L.F.	150	\$4,995
Adjust Existing Manholes. (Assumed 3 Ea per street)	\$631.10	Ea.	57	\$35,973
POWER - FP&L				
Directional Bore 1-2" across A1A	\$62.70	L.F.	1,800	\$112,860
Trench Excavating/Restoration	\$17.10	L.F.	38,970	\$666,387
Furnish & install 2" PVC 40 Primary	\$2.70	L.F.	35,800	\$96,660
Furnish & install 2" PVC 40 Secondary	\$2.70	L.F.	16,230	\$43,821
Form, Place & Finish Concrete for underground conduit	\$20.00	L.F.	38,970	\$779,400
Furnish & install Hand hole 48"x48"	\$2,000.00	Ea.	54	\$108,000
Funish & install pad mounted transformer, 3 phase 5 kV primary 277/480 volt secondary, 500 kVA	\$1,055.70	Ea.	37	\$39,061
Furnish & install 2SEC secondary	\$55.90	L.F.	4,750	\$265,525
Furnish & install 1PN2C primary	\$7.50	L.F.	13,300	\$99,750
Furnish & install 2PN2C primary	\$15.00	L.F.	26,600	\$399,000
Furnish & install 3PN2C primary	\$22.50	L.F.	1,700	\$38,250

Order of Magnitude Cost Estimate
East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)
Base Bid - Cost Summary

Item Description	Unit Cost	UOM	Project Total	
			QTY	Total Cost
CABLE TV - COMCAST				
Directional Bore 1-2" across A1A	\$62.70	L.F.	1,800	\$112,860
Trench Excavating/Restoration	\$17.10	L.F.	33,130	\$566,523
Furnish & install 1" PVC 40	\$3.10	L.F.	13,880	\$43,028
Furnish & install 2" PVC 40	\$1.90	L.F.	39,220	\$74,518
TELEPHONE - AT&T				
Directional Bore 1-2" across A1A	\$62.70	L.F.	1,800	\$112,860
Furnish & install 2" PVC 40	\$2.80	L.F.	36,640	\$102,592
Furnish & install 4" PVC 40	\$5.10	L.F.	15,200	\$77,520
Furnish & install Hand hole 11"x17"	\$1,165.00	Ea.	18	\$20,970
Furnish & install Hand hole 48"x48"	\$2,000.00	Ea.	36	\$72,000
LIGHTING				
Furnish & Install Master Meter & Meter	\$1,180.00	Ea.	36	\$42,480
Furnish & install street light pole with single arm fixture	\$6,272.60	Ea.	117	\$733,894
Furnish & install street light pole with double arm fixture	\$6,560.80	Ea.	18	\$118,094
Furnish & install Hand hole 11"x17"	\$1,165.00	Ea.	135	\$157,275
Furnish & install wire & connect street lighting	\$11,150.00	Ea.	18	\$200,700
Furnish & install NEMA 4X Panel SL1, contactors & time clock, meter complete	\$21,142.00	Ea.	1	\$21,142
Furnish & install NEMA 4X Panel SL2, contactors & time clock, meter complete	\$20,575.00	Ea.	1	\$20,575
Furnish & install NEMA 4X Panel SL3, contactors & time clock, meter complete	\$20,575.00	Ea.	1	\$20,575
Signed & Seal Wind Load calculations	\$5,750.00	Ea.	1	\$5,750
Furnish & install 2" PVC 40	\$3.10	L.F.	14,220	\$44,082
Furnish & install 3" PVC 40	\$4.00	L.F.	3,290	\$13,160
Trench Excavating/Restoration	\$17.10	L.F.	14,220	\$243,162
LANDSCAPING				
LANDSCAPE				
Landscaping Allowance - E/W Streets	\$125.00	LF	6,760	\$845,000
Landscaping Allowance - Surf Road	\$60,000.00	LS	1	\$60,000
IRRIGATION				
Irrigation Allowance	\$8,500.00	LS	18	\$153,000
OTHER SITE IMPROVEMENTS				
SITE FURNISHING				
Landscaping Allowance - Surf Road	\$10,000.00	LS	1	\$10,000
Site Furnishing Allowance - E/W Streets	\$110.00	LF	6,520	\$717,200
Sub-total:				\$15,097,779

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Base Bid - Cost Summary

Item Description	Unit Cost	UOM	Project Total	
			QTY	Total Cost
END CONDITIONS				
OTHER SITE IMPROVEMENTS				
STREETEND				
Restroom building allowance	\$110,000.00	LS	1	\$110,000
Streetend Allowance Not Including Restroom Building	\$150,000.00	LS	9	\$1,350,000
Street name mosaic (Allowance 1 ea from Azalea thru Magnolia)	\$2,300.00	LS	9	\$20,700
Restoration allowance for FP&L transformer (Allowance)	\$5,750.00	LS	9	\$51,750
STREETEND LIGHTING				
Relocate existing broadwalk light pole allowance	\$3,000.00	Ea.	9	\$27,000
Furnish & install pin lights on decorative posts	\$2,000.00	Ea.	27	\$54,000
Furnish & install street light pole with single arm fixture	\$7,050.00	Ea.	9	\$63,450
Furnish & install pad mounted transformer, 3 phase, 5 kV primary 277/480 volt secondary, 500 kVA	\$71,000.00	Ea.	9	\$639,000
Sub-total:				\$2,315,900
Roadway and Streetend Subtotal Cost				\$17,413,679
Maintenance of Traffic and Phasing	2%			\$348,274
Direct Cost Development Allowance	9%			\$1,598,576
				\$19,360,529



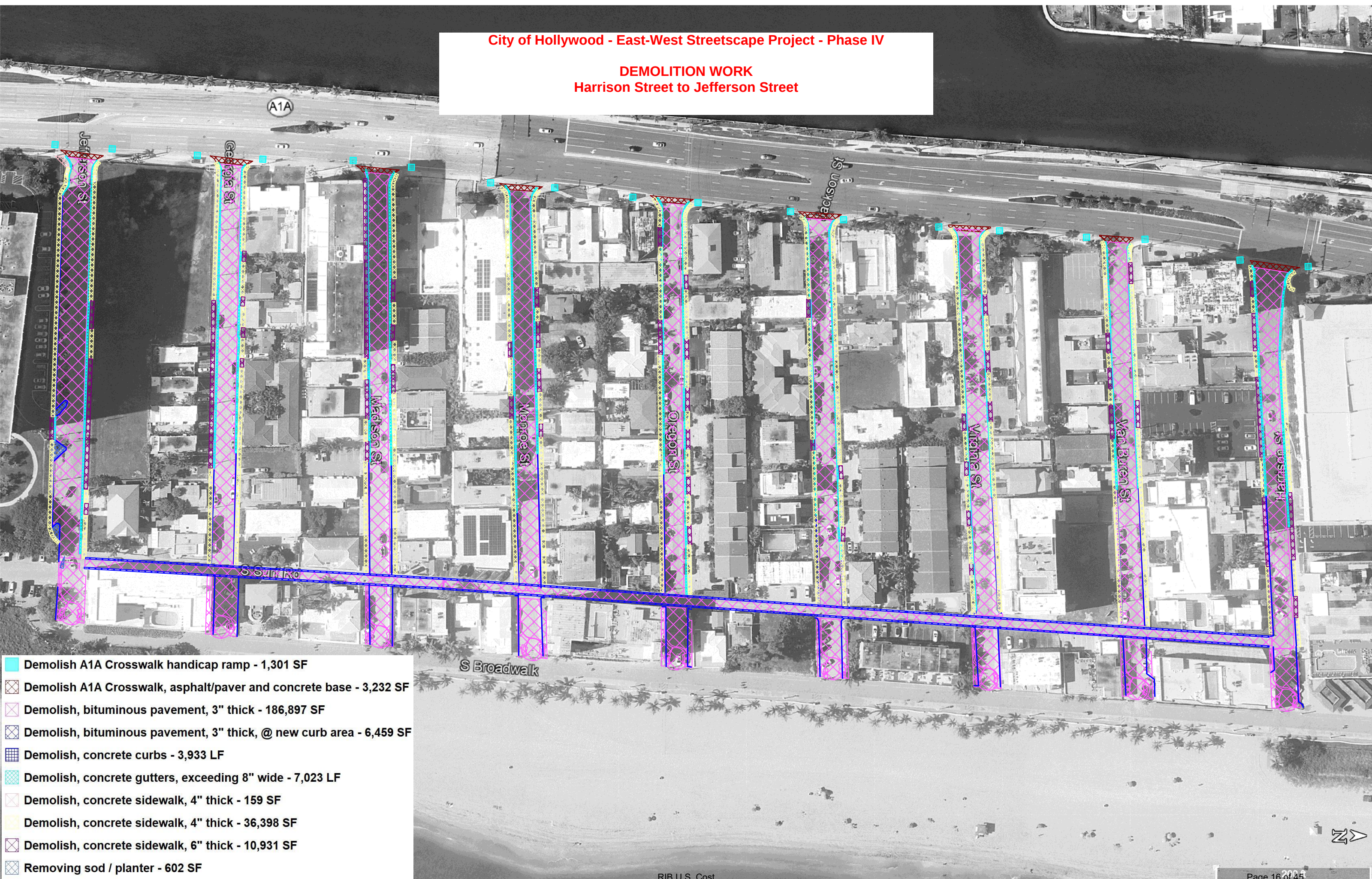
Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

**Cost Estimate
Graphics**

City of Hollywood - East-West Streetscape Project - Phase IV

DEMOLITION WORK Harrison Street to Jefferson Street



- Demolish A1A Crosswalk handicap ramp - 1,301 SF
- Demolish A1A Crosswalk, asphalt/paver and concrete base - 3,232 SF
- Demolish, bituminous pavement, 3" thick - 186,897 SF
- Demolish, bituminous pavement, 3" thick, @ new curb area - 6,459 SF
- Demolish, concrete curbs - 3,933 LF
- Demolish, concrete gutters, exceeding 8" wide - 7,023 LF
- Demolish, concrete sidewalk, 4" thick - 159 SF
- Demolish, concrete sidewalk, 4" thick - 36,398 SF
- Demolish, concrete sidewalk, 6" thick - 10,931 SF
- Removing sod / planter - 602 SF

City of Hollywood - East-West Streetscape Project - Phase IV

DEMOLITION WORK Azalea Terrace to Eucalyptus Terrace

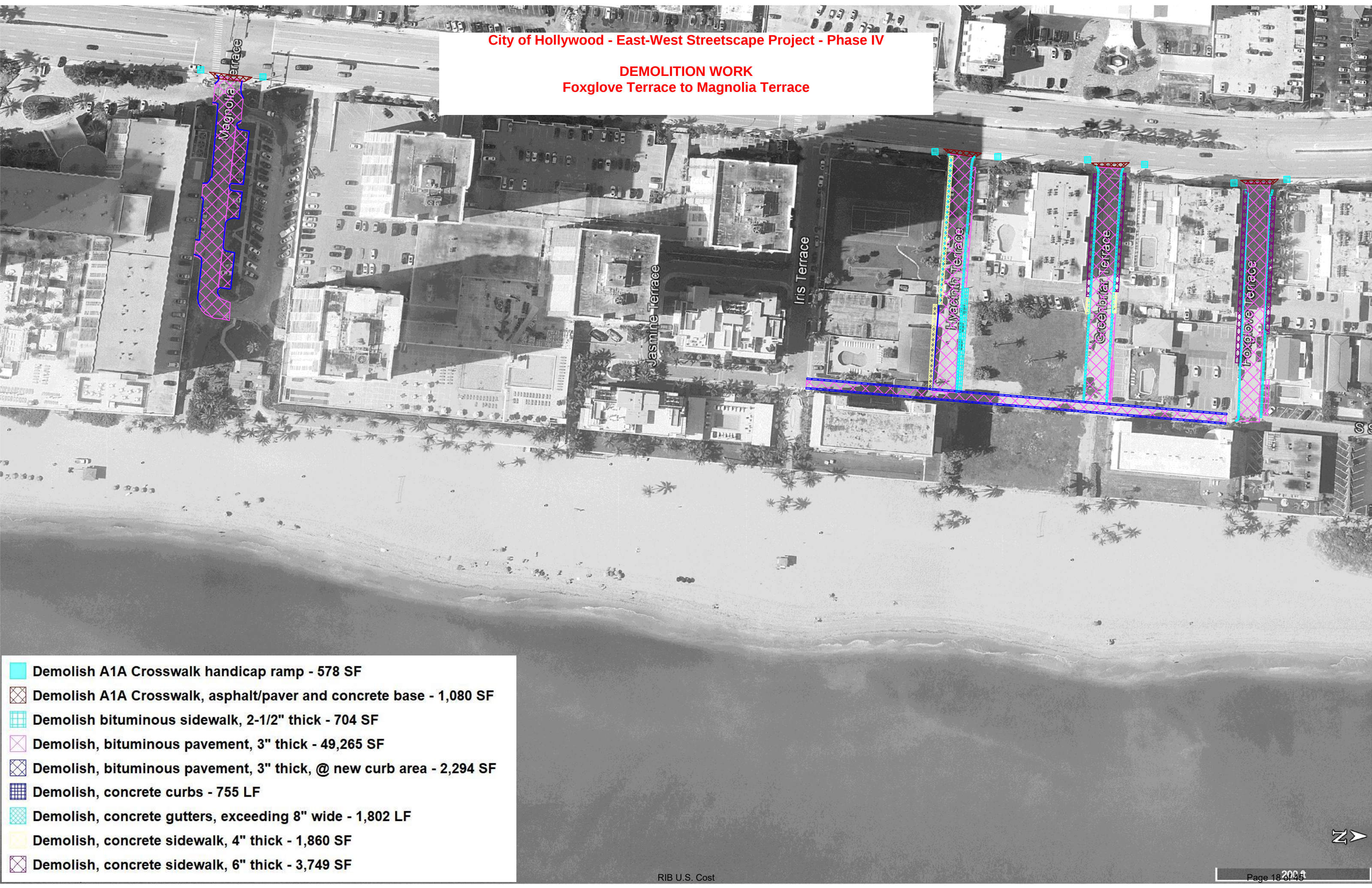


- Demolish A1A Crosswalk handicap ramp - 723 SF
- Demolish A1A Crosswalk, asphalt/paver and concrete base - 1,418 SF
- Demolish bituminous sidewalk, 2-1/2" thick - 902 SF
- Demolish, bituminous pavement, 3" thick - 88,742 SF
- Demolish, bituminous pavement, 3" thick, @ new curb area - 4,306 SF
- Demolish, concrete curbs - 454 LF
- Demolish, concrete gutters, exceeding 8" wide - 1,805 LF
- Demolish, concrete sidewalk, 4" thick - 7,306 SF
- Demolish, concrete sidewalk, 6" thick - 1,190 SF



City of Hollywood - East-West Streetscape Project - Phase IV

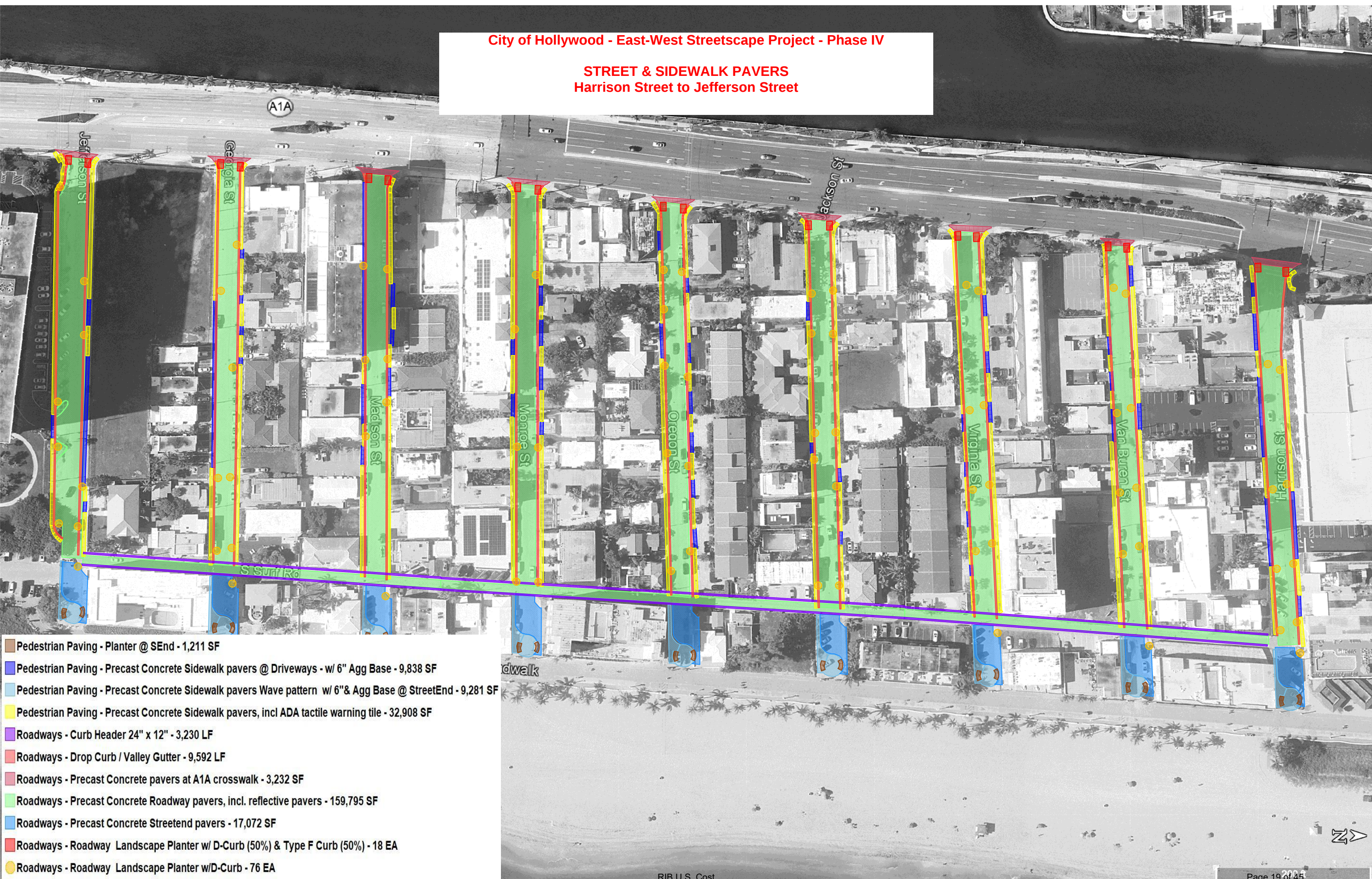
DEMOLITION WORK
Foxglove Terrace to Magnolia Terrace



- Demolish A1A Crosswalk handicap ramp - 578 SF
- Demolish A1A Crosswalk, asphalt/paver and concrete base - 1,080 SF
- Demolish bituminous sidewalk, 2-1/2" thick - 704 SF
- Demolish, bituminous pavement, 3" thick - 49,265 SF
- Demolish, bituminous pavement, 3" thick, @ new curb area - 2,294 SF
- Demolish, concrete curbs - 755 LF
- Demolish, concrete gutters, exceeding 8" wide - 1,802 LF
- Demolish, concrete sidewalk, 4" thick - 1,860 SF
- Demolish, concrete sidewalk, 6" thick - 3,749 SF

City of Hollywood - East-West Streetscape Project - Phase IV

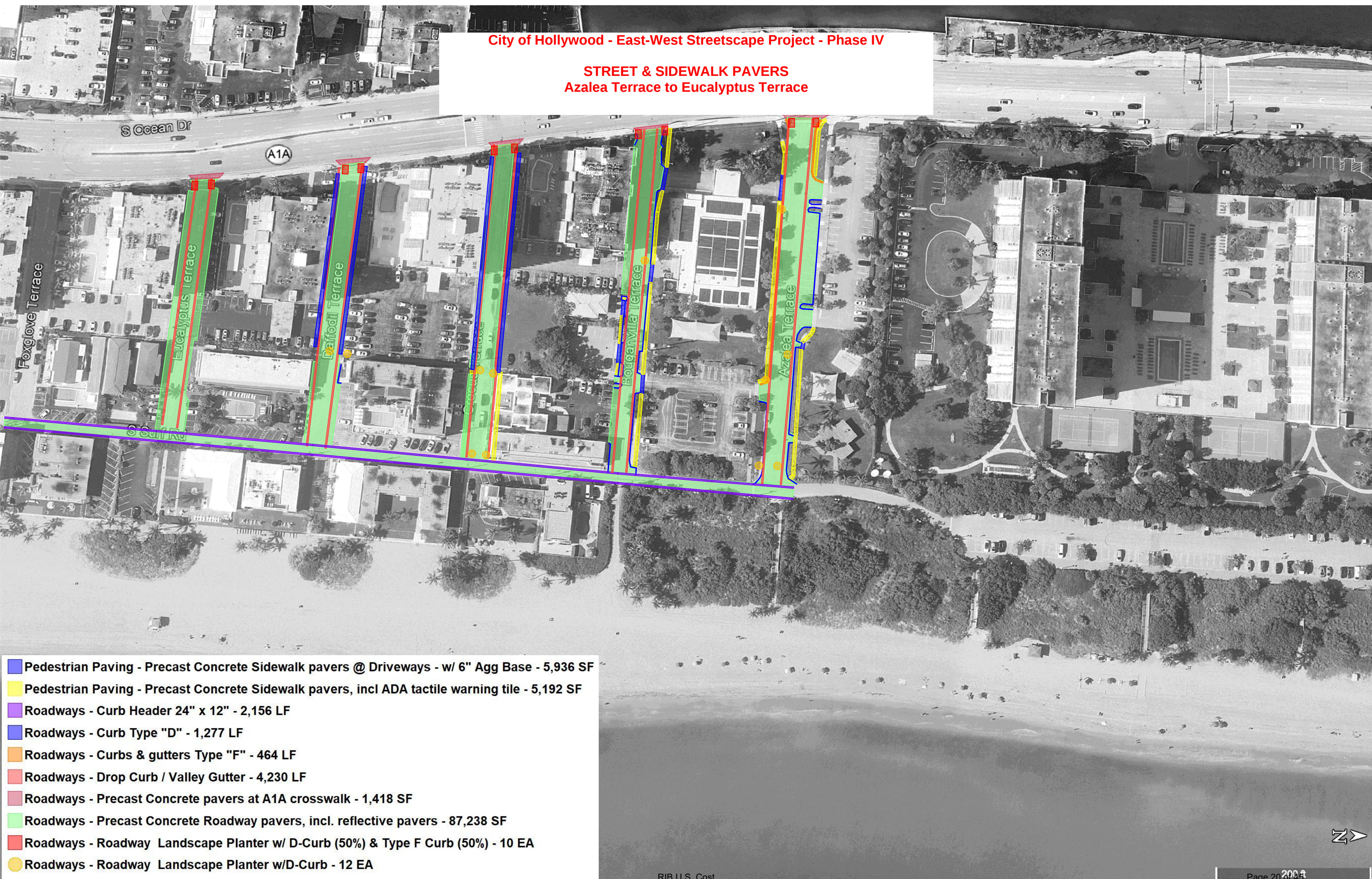
STREET & SIDEWALK PAVERS Harrison Street to Jefferson Street



- Pedestrian Paving - Planter @ SEnd - 1,211 SF
- Pedestrian Paving - Precast Concrete Sidewalk pavers @ Driveways - w/ 6" Agg Base - 9,838 SF
- Pedestrian Paving - Precast Concrete Sidewalk pavers Wave pattern w/ 6" Agg Base @ StreetEnd - 9,281 SF
- Pedestrian Paving - Precast Concrete Sidewalk pavers, incl ADA tactile warning tile - 32,908 SF
- Roadways - Curb Header 24" x 12" - 3,230 LF
- Roadways - Drop Curb / Valley Gutter - 9,592 LF
- Roadways - Precast Concrete pavers at A1A crosswalk - 3,232 SF
- Roadways - Precast Concrete Roadway pavers, incl. reflective pavers - 159,795 SF
- Roadways - Precast Concrete Streetend pavers - 17,072 SF
- Roadways - Roadway Landscape Planter w/ D-Curb (50%) & Type F Curb (50%) - 18 EA
- Roadways - Roadway Landscape Planter w/D-Curb - 76 EA

City of Hollywood - East-West Streetscape Project - Phase IV

STREET & SIDEWALK PAVERS Azalea Terrace to Eucalyptus Terrace

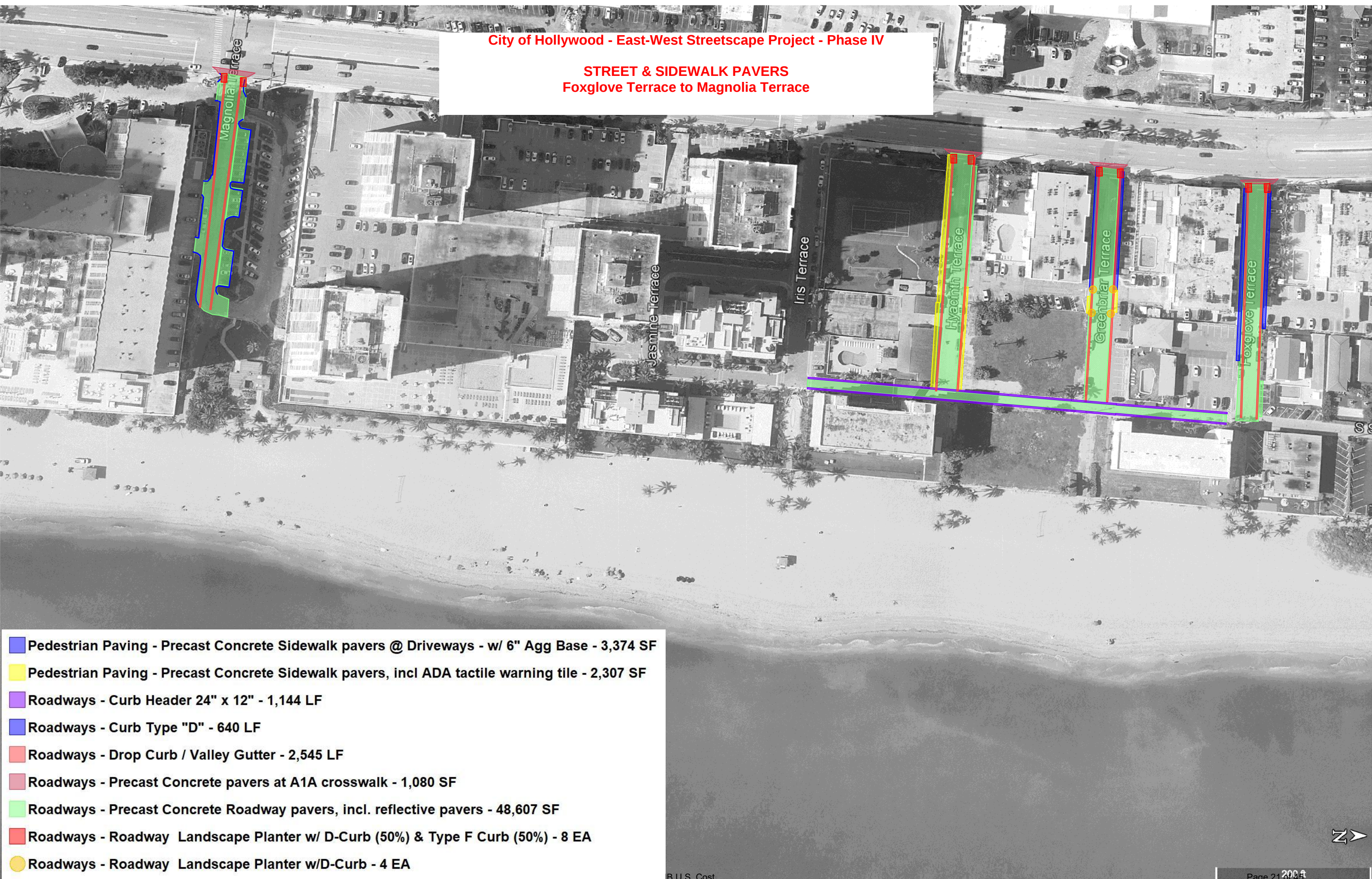


- Pedestrian Paving - Precast Concrete Sidewalk pavers @ Driveways - w/ 6" Agg Base - 5,936 SF
- Pedestrian Paving - Precast Concrete Sidewalk pavers, incl ADA tactile warning tile - 5,192 SF
- Roadways - Curb Header 24" x 12" - 2,156 LF
- Roadways - Curb Type "D" - 1,277 LF
- Roadways - Curbs & gutters Type "F" - 464 LF
- Roadways - Drop Curb / Valley Gutter - 4,230 LF
- Roadways - Precast Concrete pavers at A1A crosswalk - 1,418 SF
- Roadways - Precast Concrete Roadway pavers, incl. reflective pavers - 87,238 SF
- Roadways - Roadway Landscape Planter w/ D-Curb (50%) & Type F Curb (50%) - 10 EA
- Roadways - Roadway Landscape Planter w/D-Curb - 12 EA



City of Hollywood - East-West Streetscape Project - Phase IV

STREET & SIDEWALK PAVERS
Foxglove Terrace to Magnolia Terrace



- Pedestrian Paving - Precast Concrete Sidewalk pavers @ Driveways - w/ 6" Agg Base - 3,374 SF
- Pedestrian Paving - Precast Concrete Sidewalk pavers, incl ADA tactile warning tile - 2,307 SF
- Roadways - Curb Header 24" x 12" - 1,144 LF
- Roadways - Curb Type "D" - 640 LF
- Roadways - Drop Curb / Valley Gutter - 2,545 LF
- Roadways - Precast Concrete pavers at A1A crosswalk - 1,080 SF
- Roadways - Precast Concrete Roadway pavers, incl. reflective pavers - 48,607 SF
- Roadways - Roadway Landscape Planter w/ D-Curb (50%) & Type F Curb (50%) - 8 EA
- Roadways - Roadway Landscape Planter w/D-Curb - 4 EA



Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV) - Base Bid

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	HARRISON STREET		VAN BUREN STREET		VIRGINIA STREET		JACKSON STREET		OREGON STREET		MONROE STREET		MADISON STEET	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
PHASE IV STREETSCAPE - HARRISON STREET TO MAGNOLIA TERRACE																
DEMOLITION																
SITE DEMOLITION																
Removing sod / planter	\$0.05	S.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Demolish A1A Crosswalk, asphalt/paver and concrete base	\$3.50	S.F.	463	\$1,621	319	\$1,117	354	\$1,239	349	\$1,222	349	\$1,222	349	\$1,222	349	\$1,222
Demolish, concrete curbs	\$6.50	L.F.	405	\$2,633	551	\$3,582	342	\$2,223	351	\$2,282	337	\$2,191	452	\$2,938	463	\$3,010
Demolish, concrete gutters, exceeding 8" wide	\$6.50	L.F.	671	\$4,362	643	\$4,180	884	\$5,746	873	\$5,675	911	\$5,922	808	\$5,252	795	\$5,168
Demolish A1A Crosswalk handicap ramp	\$3.50	S.F.	145	\$508	145	\$508	145	\$508	145	\$508	145	\$508	145	\$508	145	\$508
Demolish, bituminous pavement, 3" thick	\$0.80	S.F.	18,298	\$14,638	18,093	\$14,474	18,195	\$14,556	18,127	\$14,502	17,496	\$13,997	18,599	\$14,879	18,510	\$14,808
Demolish, concrete sidewalk, 4" thick, excludes hauling	\$3.40	S.F.	2,642	\$8,983	4,385	\$14,909	4,370	\$14,858	4,883	\$16,602	4,165	\$14,161	4,578	\$15,565	3,304	\$11,234
Demolish, concrete sidewalk, 6" thick, excludes hauling	\$3.40	S.F.	1,972	\$6,705	823	\$2,798	875	\$2,975	392	\$1,333	1,199	\$4,077	856	\$2,910	2,105	\$7,157
Demolish bituminous sidewalk, 2-1/2" thick, excludes hauling	\$0.80	S.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Removing trees, (Assumes 2 ea per street)	\$190.00	Ea.	2	\$380	2	\$380	2	\$380	2	\$380	2	\$380	2	\$380	2	\$380
Demolish, traffic signage, (Assumes 5 ea per street)	\$65.90	Ea.	5	\$330	5	\$330	5	\$330	5	\$330	5	\$330	5	\$330	5	\$330
Demolish, parking meter, (Assumes 2 ea per street)	\$106.10	Ea.	2	\$212	2	\$212	2	\$212	2	\$212	2	\$212	2	\$212	2	\$212
Allowance for Final Cleanup	\$1,000.00	LS	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000
ELECTRICAL DEMOLITION																
Remove Pole and OH wire, including disposal	\$6,090.00	Ea.	8	\$48,720	13	\$79,170	3	\$18,270	6	\$36,540	10	\$60,900	7	\$42,630	12	\$73,080
Remove Pole and OH wire, including disposal - StreetEnd	\$6,090.00	Ea.	1	\$6,090	1	\$6,090	1	\$6,090	1	\$6,090	1	\$6,090	1	\$6,090	1	\$6,090
EARTHWORK																
EARTHWORK																
Roadway excavation and stockpile	\$7.10	C.Y.	818	\$5,808	820	\$5,822	826	\$5,865	823	\$5,843	803	\$5,701	849	\$6,028	847	\$6,014
Landscape planter excavation	\$13.90	C.Y.	39	\$542	39	\$542	39	\$542	42	\$584	39	\$542	30	\$417	33	\$459
Grade & Compact for curbs	\$11.30	S.Y.	289	\$3,266	300	\$3,390	301	\$3,401	308	\$3,480	306	\$3,458	295	\$3,334	301	\$3,401
Grade & Prep private property restoration	\$8.50	S.Y.	125	\$1,063	125	\$1,063	125	\$1,063	125	\$1,063	125	\$1,063	125	\$1,063	125	\$1,063
Grade & compact roadway subgrade	\$2.10	S.Y.	1,920	\$4,032	1,865	\$3,917	1,885	\$3,959	1,867	\$3,921	1,806	\$3,793	1,955	\$4,106	1,944	\$4,082
Grade & compact sidewalk subgrade	\$6.80	S.Y.	598	\$4,066	657	\$4,468	661	\$4,495	664	\$4,515	673	\$4,576	680	\$4,624	677	\$4,604
Roadway load surplus excavated soil, skid steer loader	\$21.60	C.Y.	857	\$18,511	859	\$18,554	865	\$18,684	865	\$18,684	842	\$18,187	879	\$18,986	880	\$19,008
Final grading, machine	\$2.00	S.Y.	2,793	\$5,586	2,825	\$5,650	2,882	\$5,764	2,876	\$5,752	2,823	\$5,646	2,939	\$5,878	2,924	\$5,848
PAVEMENT																
SUBGRADE & BASE CONSTRUCTION																
Prepare & roll sub-base for roadways	\$1.70	S.Y.	1,976	\$3,359	1,937	\$3,293	1,952	\$3,318	1,935	\$3,290	1,874	\$3,186	2,023	\$3,439	2,011	\$3,419
Geotextile fabric, heavy duty, 600 lb. tensile strength (Assume 30% of road subbase)	\$3.00	S.Y.	593	\$1,779	582	\$1,746	586	\$1,758	581	\$1,743	563	\$1,689	607	\$1,821	604	\$1,812
12" thick Limerock base	\$22.20	S.Y.	1,804	\$40,049	1,781	\$39,538	1,793	\$39,805	1,776	\$39,427	1,715	\$38,073	1,864	\$41,381	1,853	\$41,137
8" thick Limerock base	\$17.40	S.Y.	346	\$6,020	362	\$6,299	364	\$6,334	367	\$6,386	371	\$6,455	378	\$6,577	380	\$6,612
6" thick Limerock base	\$15.00	S.Y.	630	\$9,450	690	\$10,350	693	\$10,395	701	\$10,515	705	\$10,575	696	\$10,440	699	\$10,485
Asphalt Paving, 3" thick, property tie-in, outside ROW, (Assumes 120 SY per street)	\$25.80	S.Y.	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	HARRISON STREET		VAN BUREN STREET		VIRGINIA STREET		JACKSON STREET		OREGON STREET		MONROE STREET		MADISON STEET	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
SIDEWALK & CONCRETE CURB CONSTRUCTION																
Curbs & gutters Type "F"	\$28.70	L.F.	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148
Curb Header 24" x 12"	\$32.50	L.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Curb Type "D"	\$20.70	L.F.	323	\$6,686	323	\$6,686	323	\$6,686	354	\$7,328	323	\$6,686	228	\$4,720	260	\$5,382
Drop Curb / Valley Gutter	\$17.20	L.F.	998	\$17,166	1,046	\$17,991	1,050	\$18,060	1,060	\$18,232	1,072	\$18,438	1,094	\$18,817	1,099	\$18,903
6" thick concrete subslab for crosswalk at A1A	\$4.60	S.F.	463	\$2,130	318	\$1,463	354	\$1,628	349	\$1,605	349	\$1,605	349	\$1,605	349	\$1,605
Master Meter foundation, (Assumes 1 ea per street)	\$518.00	EA	1	\$518	1	\$518	1	\$518	1	\$518	1	\$518	1	\$518	1	\$518
4" thick, concrete sidewalk property tie-in, (Assumes 45 sf per street)	\$5.20	S.F.	45	\$234	45	\$234	45	\$234	45	\$234	45	\$234	45	\$234	45	\$234
6" thick handicap ramp with truncated domes (A1A)	\$860.00	EA	2	\$1,720	2	\$1,720	2	\$1,720	2	\$1,720	2	\$1,720	2	\$1,720	2	\$1,720
PAVERS																
Furnish Precast Concrete Roadway pavers, 80mm thick (Type I)	\$3.30	S.F.	14,029	\$46,296	13,825	\$45,623	13,923	\$45,946	13,775	\$45,458	13,225	\$43,643	14,561	\$48,051	14,456	\$47,705
Furnish Precast Concrete Sidewalk pavers, 60mm thick (Type E)	\$5.00	S.F.	5,077	\$25,385	5,629	\$28,145	5,626	\$28,130	5,706	\$28,530	5,715	\$28,575	5,814	\$29,070	5,791	\$28,955
Furnish Precast Concrete Streetend pavers, 80mm thick (Type A)	\$3.10	S.F.	1,898	\$5,884	1,897	\$5,881	1,897	\$5,881	1,897	\$5,881	1,897	\$5,881	1,897	\$5,881	1,897	\$5,881
Furnish Reflective Striping pavers, 80mm thick, Type I - (Assumes 0.59 sf per LF of street)	\$4.30	S.F.	307	\$1,320	307	\$1,320	311	\$1,337	310	\$1,333	310	\$1,333	313	\$1,346	317	\$1,363
Furnish ADA tactile warning tiles, 60mm thick, Type M	\$4.00	S.F.	108	\$432	90	\$360	126	\$504	72	\$288	144	\$576	108	\$432	108	\$432
Install Precast Concrete Roadway pavers	\$2.00	S.F.	14,029	\$28,058	13,825	\$27,650	13,923	\$27,846	13,775	\$27,550	13,225	\$26,450	14,561	\$29,122	14,456	\$28,912
Install Precast Concrete Sidewalk pavers	\$2.00	S.F.	5,077	\$10,154	5,629	\$11,258	5,626	\$11,252	5,706	\$11,412	5,715	\$11,430	5,814	\$11,628	5,791	\$11,582
Install Precast Concrete Streetend pavers	\$2.00	S.F.	1,898	\$3,796	1,897	\$3,794	1,897	\$3,794	1,897	\$3,794	1,897	\$3,794	1,897	\$3,794	1,897	\$3,794
Install Reflective Striping pavers	\$2.00	S.F.	307	\$614	307	\$614	311	\$622	310	\$620	310	\$620	313	\$626	317	\$634
Install ADA tactile warning tiles	\$5.70	S.F.	108	\$616	90	\$513	126	\$718	72	\$410	144	\$821	108	\$616	108	\$616
Furnish & install, 1" thick sand bed at pavers	\$0.80	S.F.	21,419	\$17,135	21,748	\$17,398	21,883	\$17,506	21,760	\$17,408	21,291	\$17,033	22,693	\$18,154	22,569	\$18,055
Additional cost for wave pattern paver installation at Streetend	\$2.00	S.F.	1,031	\$2,062	1,031	\$2,062	1,031	\$2,062	1,031	\$2,062	1,031	\$2,062	1,031	\$2,062	1,031	\$2,062
Pressure wash pavers	\$0.50	S.F.	21,419	\$10,710	21,748	\$10,874	21,883	\$10,942	21,760	\$10,880	21,291	\$10,646	22,693	\$11,347	22,569	\$11,285
Furnish Precast Concrete pavers at A1A crosswalk, 80mm thick, Type I, exclude special colors	\$4.30	S.F.	463	\$1,991	318	\$1,367	354	\$1,522	349	\$1,501	349	\$1,501	349	\$1,501	349	\$1,501
Furnish & install, 1" thick sand bed at A1A crosswalk	\$0.80	S.F.	463	\$370	318	\$254	354	\$283	349	\$279	349	\$279	349	\$279	349	\$279
Pressure wash pavers at A1A crosswalk	\$0.50	S.F.	463	\$232	318	\$159	354	\$177	349	\$175	349	\$175	349	\$175	349	\$175
Install Precast Concrete pavers at A1A crosswalk	\$2.00	S.F.	463	\$926	318	\$636	354	\$708	349	\$698	349	\$698	349	\$698	349	\$698
SIGNAGE & STRIPING																
12" x 18" roadway signs, includes posts (Assumed 15 Ea per street)	\$200.00	Ea.	15	\$3,000	15	\$3,000	15	\$3,000	15	\$3,000	15	\$3,000	15	\$3,000	15	\$3,000
Epoxy paint on pavers with reflective beads	\$2.15	S.F.	307	\$660	307	\$660	311	\$669	310	\$667	310	\$667	313	\$673	317	\$682

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	HARRISON STREET		VAN BUREN STREET		VIRGINIA STREET		JACKSON STREET		OREGON STREET		MONROE STREET		MADISON STEET	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
UTILITIES																
WATER																
Relocate Hydrants (Assumed 2 Ea per street)	\$5,220.00	Ea.	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440
8" Water main offset relocations at planter islands, s (Assumed 2 Ea per street)	\$9,470.00	Ea.	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940
2" Irrigation Service at each StreetEnd s (Assumed 70 lf ea)	\$17.80	LF	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246
Supply & install meter box, 12" x 24" box, excludes piping, excavation and backfill. (Assumed 1 Ea per street)	\$106.70	Ea.	1	\$107	1	\$107	1	\$107	1	\$107	1	\$107	1	\$107	1	\$107
Adjust valve box (Assumed 7 Ea per street)	\$246.70	Ea.	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727
Sample Point (Assumed 1 Ea per street)	\$803.30	Ea.	1	\$803	1	\$803	1	\$803	1	\$803	1	\$803	1	\$803	1	\$803
Utility location / exploration by vacuum Potholing (Allowance per street)	\$2,295.00	EA	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295
Water meter & connection fee, 2" diameter. (Assumed 1 Ea per streetend)	\$2,400.00	Ea.	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400
STORM DRAINAGE																
Demolish Existing Drainage Structure (Assumed 2 Ea per street)	\$803.30	Ea	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607
Demolish RCP storm pipe. (Assumed 40 lf per street)	\$28.70	LF	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148
Shift Catch Basin (Assumed 1 Ea per street)	\$2,868.80	Ea	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869
Type B Inlet w/ 6310. (Assumed 1 Ea per street)	\$3,844.20	Ea	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844
Type B Inlet w/ 5106-6149. (Assumed 1 Ea per street)	\$4,131.10	Ea	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131
18" A-2000 PVC Storm pipe, (Assumed 40 lf per street)	\$75.70	LF	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028
18" Tie-in w/ concrete collar. (Assumed 1 Ea per street)	\$918.00	Ea	1	\$918	1	\$918	1	\$918	1	\$918	1	\$918	1	\$918	1	\$918
SEWER																
Extend clean out for proposed restrooms	\$33.30	L.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Adjust Existing Manholes. (Assumed 3 Ea per street)	\$631.10	Ea.	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893
POWER - FP&L																
Directional Bore 1-2" across A1A	\$62.70	L.F.	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270
Trench Excavating/Restoration	\$17.10	L.F.	2,240	\$38,304	2,240	\$38,304	2,240	\$38,304	2,240	\$38,304	2,240	\$38,304	2,240	\$38,304	2,290	\$39,159
Furnish & install 2" PVC 40 Primary	\$2.70	L.F.	1,890	\$5,103	1,890	\$5,103	1,890	\$5,103	1,890	\$5,103	1,890	\$5,103	1,890	\$5,103	1,930	\$5,211
Furnish & install 2" PVC 40 Secondary	\$2.70	L.F.	980	\$2,646	980	\$2,646	980	\$2,646	980	\$2,646	980	\$2,646	980	\$2,646	1,000	\$2,700
Form, Place & Finish Concrete for underground conduit	\$20.00	L.F.	2,240	\$44,800	2,240	\$44,800	2,240	\$44,800	2,240	\$44,800	2,240	\$44,800	2,240	\$44,800	2,290	\$45,800
Furnish & install Hand hole 48"x48"	\$2,000.00	Ea.	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000
Funish & install pad mounted transformer, 3 phase 5 kV primary 277/480 volt secondary, 500 kVA	\$1,055.70	Ea.	2	\$2,111	2	\$2,111	2	\$2,111	2	\$2,111	3	\$3,167	2	\$2,111	2	\$2,111
Furnish & install 2SEC secondary	\$55.90	L.F.	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975
Furnish & install 1PN2C primary	\$7.50	L.F.	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250
Furnish & install 2PN2C primary	\$15.00	L.F.	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000
Furnish & install 3PN2C primary	\$22.50	L.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0

City of Hollywood Community Redepovmmment Agency
East-West Streetscape from Harrison St. to Magnolia Ter.

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	HARRISON STREET		VAN BUREN STREET		VIRGINIA STREET		JACKSON STREET		OREGON STREET		MONROE STREET		MADISON STEET	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
CABLE TV - COMCAST																
Directional Bore 1-2" across A1A	\$62.70	L.F.	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270
Trench Excavating/Restoration	\$17.10	L.F.	1,960	\$33,516	1,960	\$33,516	1,960	\$33,516	1,960	\$33,516	1,960	\$33,516	1,960	\$33,516	2,000	\$34,200
Furnish & install 1" PVC 40	\$3.10	L.F.	730	\$2,263	730	\$2,263	730	\$2,263	730	\$2,263	730	\$2,263	730	\$2,263	740	\$2,294
Furnish & install 2" PVC 40	\$1.90	L.F.	2,250	\$4,275	2,250	\$4,275	2,250	\$4,275	2,250	\$4,275	2,250	\$4,275	2,250	\$4,275	2,300	\$4,370
TELEPHONE - AT&T																
Directional Bore 1-2" across A1A	\$62.70	L.F.	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270
Furnish & install 2" PVC 40	\$2.80	L.F.	2,240	\$6,272	2,240	\$6,272	2,240	\$6,272	2,240	\$6,272	2,240	\$6,272	2,240	\$6,272	2,290	\$6,412
Furnish & install 4" PVC 40	\$5.10	L.F.	810	\$4,131	810	\$4,131	810	\$4,131	810	\$4,131	810	\$4,131	810	\$4,131	830	\$4,233
Furnish & install Hand hole 11"x17"	\$1,165.00	Ea.	1	\$1,165	1	\$1,165	1	\$1,165	1	\$1,165	1	\$1,165	1	\$1,165	1	\$1,165
Furnish & install Hand hole 48"x48"	\$2,000.00	Ea.	2	\$4,000	2	\$4,000	2	\$4,000	2	\$4,000	2	\$4,000	2	\$4,000	2	\$4,000
LIGHTING																
Furnish & Install Master Meter & Meter	\$1,180.00	Ea.	2	\$2,360	2	\$2,360	2	\$2,360	2	\$2,360	2	\$2,360	2	\$2,360	2	\$2,360
Furnish & install street light pole with single arm fixture	\$6,272.60	Ea.	7	\$43,908	7	\$43,908	7	\$43,908	7	\$43,908	7	\$43,908	7	\$43,908	7	\$43,908
Furnish & install street light pole with double arm fixture	\$6,560.80	Ea.	1	\$6,561	1	\$6,561	1	\$6,561	1	\$6,561	1	\$6,561	1	\$6,561	1	\$6,561
Furnish & install Hand hole 11"x17"	\$1,165.00	Ea.	8	\$9,320	8	\$9,320	8	\$9,320	8	\$9,320	8	\$9,320	8	\$9,320	8	\$9,320
Furnish & install wire & connect street lighting	\$11,150.00	Ea.	1	\$11,150	1	\$11,150	1	\$11,150	1	\$11,150	1	\$11,150	1	\$11,150	1	\$11,150
Furnish & install NEMA 4X Panel SL1, contactors & time clock, meter complete	\$21,142.00	Ea.	1	\$21,142	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Furnish & install NEMA 4X Panel SL2, contactors & time clock, meter omplete	\$20,575.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1	\$20,575	0	\$0
Furnish & install NEMA 4X Panel SL3, contactors & time clock, meter complete	\$20,575.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Signed & Seal Wind Load calculations	\$5,750.00	Ea.	1	\$5,750	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Furnish & install 2" PVC 40	\$3.10	L.F.	910	\$2,821	910	\$2,821	910	\$2,821	910	\$2,821	910	\$2,821	910	\$2,821	930	\$2,883
Furnish & install 3" PVC 40	\$4.00	L.F.	210	\$840	210	\$840	210	\$840	210	\$840	210	\$840	210	\$840	220	\$880
Trench Excavating/Restoration	\$17.10	L.F.	910	\$15,561	910	\$15,561	910	\$15,561	910	\$15,561	910	\$15,561	910	\$15,561	930	\$15,903
LANDSCAPING																
LANDSCAPE																
Landscaping Allowance - E/W Streets	\$125.00	LF	600	\$75,000	600	\$75,000	600	\$75,000	600	\$75,000	600	\$75,000	600	\$75,000	600	\$75,000
Landscaping Allowance - Surf Road	\$60,000.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
IRRIGATION																
Irrigation Allowance	\$8,500.00	LS	1	\$8,500	1	\$8,500	1	\$8,500	1	\$8,500	1	\$8,500	1	\$8,500	1	\$8,500
OTHER SITE IMPROVEMENTS																
SITE FURNISHING																
Landscaping Allowance - Surf Road	\$10,000.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Site Furnishing Allowance - E/W Streets	\$110.00	LF	600	\$66,000	600	\$66,000	600	\$66,000	600	\$66,000	600	\$66,000	600	\$66,000	600	\$66,000
Sub-total:			\$931,978		\$940,842		\$882,795		\$900,740		\$920,652		\$935,933		\$948,905	

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	HARRISON STREET		VAN BUREN STREET		VIRGINIA STREET		JACKSON STREET		OREGON STREET		MONROE STREET		MADISON STEET	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
END CONDITIONS																
OTHER SITE IMPROVEMENTS																
STREETEND																
Restroom building allowance	\$110,000.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Streetend Allowance Not Including Restroom Building	\$150,000.00	LS	1	\$150,000	1	\$150,000	1	\$150,000	1	\$150,000	1	\$150,000	1	\$150,000	1	\$150,000
Street name mosaic (Allowance 1 ea from Azalea thru Magnolia)	\$2,300.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Restoration allowance for FP&L transformer (Allowance)	\$5,750.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
STREETEND LIGHTING																
Relocate existing broadwalk light pole allowance	\$3,000.00	Ea.	1	\$3,000	1	\$3,000	1	\$3,000	1	\$3,000	1	\$3,000	1	\$3,000	1	\$3,000
Furnish & install pin lights on decorative posts	\$2,000.00	Ea.	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000
Furnish & install street light pole with single arm fixture	\$7,050.00	Ea.	1	\$7,050	1	\$7,050	1	\$7,050	1	\$7,050	1	\$7,050	1	\$7,050	1	\$7,050
Funish & install pad mounted transformer, 3 phase, 5 kV primary 277/480 volt secondary, 500 kVA	\$71,000.00	Ea.	1	\$71,000	1	\$71,000	1	\$71,000	1	\$71,000	1	\$71,000	1	\$71,000	1	\$71,000
Sub-total:				\$237,050		\$237,050		\$237,050		\$237,050		\$237,050		\$237,050		\$237,050
Roadway and Streetend Subtotal Cost				\$1,169,028		\$1,177,892		\$1,119,845		\$1,137,790		\$1,157,702		\$1,172,983		\$1,185,955
Maintenance of Traffic and Phasing			2%	\$23,380.57		\$23,557.85		\$22,396.91		\$22,755.79		\$23,154.05		\$23,459.67		\$23,719.10
Direct Cost Development Allowance			9%	\$107,316.80		\$108,130.51		\$102,801.81		\$104,449.09		\$106,277.07		\$107,679.86		\$108,870.68
				\$1,299,726		\$1,309,581		\$1,245,044		\$1,264,995		\$1,287,133		\$1,304,123		\$1,318,545

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	GEORGIA STREET		JEFFERSON STREET		AZALEA TERRACE		BOUGANVILLA TERRACE		CROCUS TERRACE		DAFFODIL TERRACE		EUCALYPTUS TERRACE	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
PHASE IV STREETSCAPE - HARRISON STREET TO MAGNOLIA TERRACE																
DEMOLITION																
SITE DEMOLITION																
Removing sod / planter	\$0.05	S.F.	0	\$0	560	\$28	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Demolish A1A Crosswalk, asphalt/paver and concrete base	\$3.50	S.F.	349	\$1,222	349	\$1,222	379	\$1,327	260	\$910	260	\$910	259	\$907	260	\$910
Demolish, concrete curbs	\$6.50	L.F.	450	\$2,925	582	\$3,783	128	\$832	203	\$1,320	118	\$767	0	\$0	0	\$0
Demolish, concrete gutters, exceeding 8" wide	\$6.50	L.F.	809	\$5,259	628	\$4,082	467	\$3,036	0	\$0	596	\$3,874	450	\$2,925	292	\$1,898
Demolish A1A Crosswalk handicap ramp	\$3.50	S.F.	145	\$508	145	\$508	145	\$508	145	\$508	145	\$508	145	\$508	145	\$508
Demolish, bituminous pavement, 3" thick	\$0.80	S.F.	18,513	\$14,810	22,706	\$18,165	20,552	\$16,442	14,972	\$11,978	15,003	\$12,002	11,963	\$9,570	13,284	\$10,627
Demolish, concrete sidewalk, 4" thick, excludes hauling	\$3.40	S.F.	4,095	\$13,923	4,136	\$14,062	1,979	\$6,729	2,198	\$7,473	652	\$2,217	2,477	\$8,422	0	\$0
Demolish, concrete sidewalk, 6" thick, excludes hauling	\$3.40	S.F.	1,395	\$4,743	1,313	\$4,464	243	\$826	947	\$3,220	0	\$0	0	\$0	0	\$0
Demolish bituminous sidewalk, 2-1/2" thick, excludes hauling	\$0.80	S.F.	0	\$0	0	\$0	902	\$722	0	\$0	0	\$0	0	\$0	0	\$0
Removing trees, (Assumes 2 ea per street)	\$190.00	Ea.	2	\$380	2	\$380	2	\$380	2	\$380	2	\$380	2	\$380	2	\$380
Demolish, traffic signage, (Assumes 5 ea per street)	\$65.90	Ea.	5	\$330	5	\$330	5	\$330	5	\$330	5	\$330	5	\$330	5	\$330
Demolish, parking meter, (Assumes 2 ea per street)	\$106.10	Ea.	2	\$212	2	\$212	2	\$212	2	\$212	2	\$212	2	\$212	2	\$212
Allowance for Final Cleanup	\$1,000.00	LS	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000
ELECTRICAL DEMOLITION																
Remove Pole and OH wire, including disposal	\$6,090.00	Ea.	9	\$54,810	6	\$36,540	1	\$6,090	6	\$36,540	3	\$18,270	1	\$6,090	1	\$6,090
Remove Pole and OH wire, including disposal - StreetEnd	\$6,090.00	Ea.	1	\$6,090	1	\$6,090	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
EARTHWORK																
EARTHWORK																
Roadway excavation and stockpile	\$7.10	C.Y.	845	\$6,000	1,012	\$7,185	964	\$6,844	735	\$5,219	641	\$4,551	566	\$4,019	569	\$4,040
Landscape planter excavation	\$13.90	C.Y.	36	\$500	60	\$834	22	\$306	11	\$153	19	\$264	13	\$181	8	\$111
Grade & Compact for curbs	\$11.30	S.Y.	306	\$3,458	307	\$3,469	522	\$5,899	342	\$3,865	230	\$2,599	207	\$2,339	172	\$1,944
Grade & Prep private property restoration	\$8.50	S.Y.	125	\$1,063	125	\$1,063	125	\$1,063	125	\$1,063	125	\$1,063	125	\$1,063	125	\$1,063
Grade & compact roadway subgrade	\$2.10	S.Y.	1,928	\$4,049	2,429	\$5,101	2,317	\$4,866	1,705	\$3,581	1,514	\$3,179	1,362	\$2,860	1,526	\$3,205
Grade & compact sidewalk subgrade	\$6.80	S.Y.	685	\$4,658	682	\$4,638	338	\$2,298	334	\$2,271	382	\$2,598	269	\$1,829	22	\$150
Roadway load surplus excavated soil, skid steer loader	\$21.60	C.Y.	881	\$19,030	1,072	\$23,155	986	\$21,298	746	\$16,114	660	\$14,256	579	\$12,506	577	\$12,463
Final grading, machine	\$2.00	S.Y.	2,936	\$5,872	3,367	\$6,734	2,803	\$5,606	2,074	\$4,148	1,926	\$3,852	1,750	\$3,500	1,586	\$3,172
PAVEMENT																
SUBGRADE & BASE CONSTRUCTION																
Prepare & roll sub-base for roadways	\$1.70	S.Y.	1,996	\$3,393	2,497	\$4,245	2,381	\$4,048	1,783	\$3,031	1,592	\$2,706	1,440	\$2,448	1,604	\$2,727
Geotextile fabric, heavy duty, 600 lb. tensile strength (Assume 30% of road subbase)	\$3.00	S.Y.	599	\$1,797	750	\$2,250	715	\$2,145	535	\$1,605	478	\$1,434	432	\$1,296	482	\$1,446
12" thick Limerock base	\$22.20	S.Y.	1,837	\$40,781	2,338	\$51,904	2,219	\$49,262	1,634	\$36,275	1,443	\$32,035	1,291	\$28,660	1,455	\$32,301
8" thick Limerock base	\$17.40	S.Y.	379	\$6,595	372	\$6,473	500	\$8,700	326	\$5,672	296	\$5,150	270	\$4,698	240	\$4,176
6" thick Limerock base	\$15.00	S.Y.	712	\$10,680	714	\$10,710	449	\$6,735	433	\$6,495	389	\$5,835	270	\$4,050	7	\$105
Asphalt Paving, 3" thick, property tie-in, outside ROW, (Assumes 120 SY per street)	\$25.80	S.Y.	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	GEORGIA STREET		JEFFERSON STREET		AZALEA TERRACE		BOUGANVILLE TERRACE		CROCUS TERRACE		DAFFODIL TERRACE		EUCALYPTUS TERRACE	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
SIDEWALK & CONCRETE CURB CONSTRUCTION																
Curbs & gutters Type "F"	\$28.70	L.F.	40	\$1,148	40	\$1,148	504	\$14,465	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148
Curb Header 24" x 12"	\$32.50	L.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Curb Type "D"	\$20.70	L.F.	291	\$6,024	323	\$6,686	796	\$16,477	719	\$14,883	166	\$3,436	133	\$2,753	40	\$828
Drop Curb / Valley Gutter	\$17.20	L.F.	1,097	\$18,868	1,075	\$18,490	996	\$17,131	938	\$16,134	847	\$14,568	769	\$13,227	680	\$11,696
6" thick concrete subslab for crosswalk at A1A	\$4.60	S.F.	349	\$1,605	349	\$1,605	379	\$1,743	260	\$1,196	260	\$1,196	259	\$1,191	260	\$1,196
Master Meter foundation, (Assumes 1 ea per street)	\$518.00	EA	1	\$518	1	\$518	1	\$518	1	\$518	1	\$518	1	\$518	1	\$518
4" thick, concrete sidewalk property tie-in, (Assumes 45 sf per street)	\$5.20	S.F.	45	\$234	45	\$234	45	\$234	45	\$234	45	\$234	45	\$234	45	\$234
6" thick handicap ramp with truncated domes (A1A)	\$860.00	EA	2	\$1,720	2	\$1,720	2	\$1,720	2	\$1,720	2	\$1,720	2	\$1,720	2	\$1,720
PAVERS																
Furnish Precast Concrete Roadway pavers, 80mm thick (Type I)	\$3.30	S.F.	14,312	\$47,230	18,817	\$62,096	19,672	\$64,918	14,424	\$47,599	12,726	\$41,996	11,383	\$37,564	12,890	\$42,537
Furnish Precast Concrete Sidewalk pavers, 60mm thick (Type E)	\$5.00	S.F.	5,881	\$29,405	5,869	\$29,345	2,809	\$14,045	2,684	\$13,420	3,209	\$16,045	2,193	\$10,965	0	\$0
Furnish Precast Concrete Streetend pavers, 80mm thick (Type A)	\$3.10	S.F.	1,897	\$5,881	1,897	\$5,881	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Furnish Reflective Striping pavers, 80mm thick, Type I - (Assumes 0.59 sf per LF of street)	\$4.30	S.F.	319	\$1,372	323	\$1,389	295	\$1,269	277	\$1,191	254	\$1,092	231	\$993	202	\$869
Furnish ADA tactile warning tiles, 60mm thick, Type M	\$4.00	S.F.	90	\$360	72	\$288	36	\$144	126	\$504	36	\$144	36	\$144	0	\$0
Install Precast Concrete Roadway pavers	\$2.00	S.F.	14,312	\$28,624	18,817	\$37,634	19,672	\$39,344	14,424	\$28,848	12,726	\$25,452	11,383	\$22,766	12,890	\$25,780
Install Precast Concrete Sidewalk pavers	\$2.00	S.F.	5,881	\$11,762	5,869	\$11,738	2,809	\$5,618	2,684	\$5,368	3,209	\$6,418	2,193	\$4,386	0	\$0
Install Precast Concrete Streetend pavers	\$2.00	S.F.	1,897	\$3,794	1,897	\$3,794	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Install Reflective Striping pavers	\$2.00	S.F.	319	\$638	323	\$646	295	\$590	277	\$554	254	\$508	231	\$462	202	\$404
Install ADA tactile warning tiles	\$5.70	S.F.	90	\$513	72	\$410	36	\$205	126	\$718	36	\$205	36	\$205	0	\$0
Furnish & install, 1" thick sand bed at pavers	\$0.80	S.F.	22,499	\$17,999	26,978	\$21,582	22,812	\$18,250	17,511	\$14,009	16,225	\$12,980	13,843	\$11,074	13,092	\$10,474
Additional cost for wave pattern paver installation at Streetend	\$2.00	S.F.	1,031	\$2,062	1,031	\$2,062	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Pressure wash pavers	\$0.50	S.F.	22,499	\$11,250	26,978	\$13,489	22,812	\$11,406	17,511	\$8,756	16,225	\$8,113	13,843	\$6,922	13,092	\$6,546
Furnish Precast Concrete pavers at A1A crosswalk, 80mm thick, Type I, exclude special colors	\$4.30	S.F.	349	\$1,501	349	\$1,501	379	\$1,630	260	\$1,118	260	\$1,118	259	\$1,114	260	\$1,118
Furnish & install, 1" thick sand bed at A1A crosswalk	\$0.80	S.F.	349	\$279	349	\$279	379	\$303	260	\$208	260	\$208	259	\$207	260	\$208
Pressure wash pavers at A1A crosswalk	\$0.50	S.F.	349	\$175	349	\$175	379	\$190	260	\$130	260	\$130	259	\$130	260	\$130
Install Precast Concrete pavers at A1A crosswalk	\$2.00	S.F.	349	\$698	349	\$698	379	\$758	260	\$520	260	\$520	259	\$518	260	\$520
SIGNAGE & STRIPING																
12" x 18" roadway signs, includes posts (Assumed 15 Ea per street)	\$200.00	Ea.	15	\$3,000	15	\$3,000	15	\$3,000	15	\$3,000	15	\$3,000	15	\$3,000	15	\$3,000
Epoxy paint on pavers with reflective beads	\$2.15	S.F.	319	\$686	323	\$694	295	\$634	277	\$596	254	\$546	231	\$497	202	\$434

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	GEORGIA STREET		JEFFERSON STREET		AZALEA TERRACE		BOUGANVILLA TERRACE		CROCUS TERRACE		DAFFODIL TERRACE		EUCALYPTUS TERRACE	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
UTILITIES																
WATER																
Relocate Hydrants (Assumed 2 Ea per street)	\$5,220.00	Ea.	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440
8" Water main offset relocations at planter islands, s (Assumed 2 Ea per street)	\$9,470.00	Ea.	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940
2" Irrigation Service at each StreetEnd s (Assumed 70 lf ea)	\$17.80	LF	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246
Supply & install meter box, 12" x 24" box, excludes piping, excavation and backfill. (Assumed 1 Ea per street)	\$106.70	Ea.	1	\$107	1	\$107	1	\$107	1	\$107	1	\$107	1	\$107	1	\$107
Adjust valve box (Assumed 7 Ea per street)	\$246.70	Ea.	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727
Sample Point (Assumed 1 Ea per street)	\$803.30	Ea.	1	\$803	1	\$803	1	\$803	1	\$803	1	\$803	1	\$803	1	\$803
Utility location / exploration by vacuum Potholing (Allowance per street)	\$2,295.00	EA	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295
Water meter & connection fee, 2" diameter. (Assumed 1 Ea per streetend)	\$2,400.00	Ea.	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400
STORM DRAINAGE																
Demolish Existing Drainage Structure (Assumed 2 Ea per street)	\$803.30	Ea	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607
Demolish RCP storm pipe. (Assumed 40 lf per street)	\$28.70	LF	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148
Shift Catch Basin (Assumed 1 Ea per street)	\$2,868.80	Ea	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869
Type B Inlet w/ 6310. (Assumed 1 Ea per street)	\$3,844.20	Ea	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844
Type B Inlet w/ 5106-6149. (Assumed 1 Ea per street)	\$4,131.10	Ea	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131
18" A-2000 PVC Storm pipe, (Assumed 40 lf per street)	\$75.70	LF	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028
18" Tie-in w/ concrete collar. (Assumed 1 Ea per street)	\$918.00	Ea	1	\$918	1	\$918	1	\$918	1	\$918	1	\$918	1	\$918	1	\$918
SEWER																
Extend clean out for proposed restrooms	\$33.30	L.F.	0	\$0	150	\$4,995	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Adjust Existing Manholes. (Assumed 3 Ea per street)	\$631.10	Ea.	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893
POWER - FP&L																
Directional Bore 1-2" across A1A	\$62.70	L.F.	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270
Trench Excavating/Restoration	\$17.10	L.F.	2,290	\$39,159	2,290	\$39,159	2,290	\$39,159	2,290	\$39,159	2,290	\$39,159	2,290	\$39,159	1,400	\$23,940
Furnish & install 2" PVC 40 Primary	\$2.70	L.F.	1,930	\$5,211	1,930	\$5,211	1,930	\$5,211	1,930	\$5,211	1,930	\$5,211	1,930	\$5,211	1,190	\$3,213
Furnish & install 2" PVC 40 Secondary	\$2.70	L.F.	1,000	\$2,700	1,000	\$2,700	1,000	\$2,700	1,000	\$2,700	1,000	\$2,700	1,000	\$2,700	620	\$1,674
Form, Place & Finish Concrete for underground conduit	\$20.00	L.F.	2,290	\$45,800	2,290	\$45,800	2,290	\$45,800	2,290	\$45,800	2,290	\$45,800	2,290	\$45,800	1,400	\$28,000
Furnish & install Hand hole 48"x48"	\$2,000.00	Ea.	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000
Funish & install pad mounted transformer, 3 phase 5 kV primary 277/480 volt secondary, 500 kVA	\$1,055.70	Ea.	2	\$2,111	2	\$2,111	2	\$2,111	2	\$2,111	2	\$2,111	2	\$2,111	2	\$2,111
Furnish & install 2SEC secondary	\$55.90	L.F.	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975
Furnish & install 1PN2C primary	\$7.50	L.F.	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250
Furnish & install 2PN2C primary	\$15.00	L.F.	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000
Furnish & install 3PN2C primary	\$22.50	L.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0

City of Hollywood Community Redepovmmment Agency
East-West Streetscape from Harrison St. to Magnolia Ter.

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	GEORGIA STREET		JEFFERSON STREET		AZALEA TERRACE		BOUGANVILLA TERRACE		CROCUS TERRACE		DAFFODIL TERRACE		EUCALYPTUS TERRACE	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
CABLE TV - COMCAST																
Directional Bore 1-2" across A1A	\$62.70	L.F.	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270
Trench Excavating/Restoration	\$17.10	L.F.	2,000	\$34,200	2,000	\$34,200	1,680	\$28,728	1,680	\$28,728	1,680	\$28,728	1,680	\$28,728	1,230	\$21,033
Furnish & install 1" PVC 40	\$3.10	L.F.	740	\$2,294	740	\$2,294	620	\$1,922	620	\$1,922	620	\$1,922	620	\$1,922	460	\$1,426
Furnish & install 2" PVC 40	\$1.90	L.F.	2,300	\$4,370	2,300	\$4,370	1,930	\$3,667	1,930	\$3,667	1,930	\$3,667	1,930	\$3,667	1,420	\$2,698
TELEPHONE - AT&T																
Directional Bore 1-2" across A1A	\$62.70	L.F.	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270
Furnish & install 2" PVC 40	\$2.80	L.F.	2,290	\$6,412	2,290	\$6,412	1,920	\$5,376	1,920	\$5,376	1,920	\$5,376	1,920	\$5,376	1,410	\$3,948
Furnish & install 4" PVC 40	\$5.10	L.F.	830	\$4,233	830	\$4,233	700	\$3,570	700	\$3,570	700	\$3,570	700	\$3,570	510	\$2,601
Furnish & install Hand hole 11"x17"	\$1,165.00	Ea.	1	\$1,165	1	\$1,165	1	\$1,165	1	\$1,165	1	\$1,165	1	\$1,165	1	\$1,165
Furnish & install Hand hole 48"x48"	\$2,000.00	Ea.	2	\$4,000	2	\$4,000	2	\$4,000	2	\$4,000	2	\$4,000	2	\$4,000	2	\$4,000
LIGHTING																
Furnish & Install Master Meter & Meter	\$1,180.00	Ea.	2	\$2,360	2	\$2,360	2	\$2,360	2	\$2,360	2	\$2,360	2	\$2,360	2	\$2,360
Furnish & install street light pole with single arm fixture	\$6,272.60	Ea.	7	\$43,908	7	\$43,908	6	\$37,636	6	\$37,636	6	\$37,636	6	\$37,636	6	\$37,636
Furnish & install street light pole with double arm fixture	\$6,560.80	Ea.	1	\$6,561	1	\$6,561	1	\$6,561	1	\$6,561	1	\$6,561	1	\$6,561	1	\$6,561
Furnish & install Hand hole 11"x17"	\$1,165.00	Ea.	8	\$9,320	8	\$9,320	7	\$8,155	7	\$8,155	7	\$8,155	7	\$8,155	7	\$8,155
Furnish & install wire & connect street lighting	\$11,150.00	Ea.	1	\$11,150	1	\$11,150	1	\$11,150	1	\$11,150	1	\$11,150	1	\$11,150	1	\$11,150
Furnish & install NEMA 4X Panel SL1, contactors & time clock, meter complete	\$21,142.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Furnish & install NEMA 4X Panel SL2, contactors & time clock, meter omplete	\$20,575.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Furnish & install NEMA 4X Panel SL3, contactors & time clock, meter complete	\$20,575.00	Ea.	0	\$0	0	\$0	0	\$0	1	\$20,575	0	\$0	0	\$0	0	\$0
Signed & Seal Wind Load calculations	\$5,750.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Furnish & install 2" PVC 40	\$3.10	L.F.	930	\$2,883	930	\$2,883	780	\$2,418	780	\$2,418	780	\$2,418	780	\$2,418	570	\$1,767
Furnish & install 3" PVC 40	\$4.00	L.F.	220	\$880	220	\$880	180	\$720	180	\$720	180	\$720	180	\$720	130	\$520
Trench Excavating/Restoration	\$17.10	L.F.	930	\$15,903	930	\$15,903	780	\$13,338	780	\$13,338	780	\$13,338	780	\$13,338	570	\$9,747
LANDSCAPING																
LANDSCAPE																
Landscaping Allowance - E/W Streets	\$125.00	LF	600	\$75,000	600	\$75,000	160	\$20,000	160	\$20,000	160	\$20,000	160	\$20,000	160	\$20,000
Landscaping Allowance - Surf Road	\$60,000.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
IRRIGATION																
Irrigation Allowance	\$8,500.00	LS	1	\$8,500	1	\$8,500	1	\$8,500	1	\$8,500	1	\$8,500	1	\$8,500	1	\$8,500
OTHER SITE IMPROVEMENTS																
SITE FURNISHING																
Landscaping Allowance - Surf Road	\$10,000.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Site Furnishing Allowance - E/W Streets	\$110.00	LF	600	\$66,000	600	\$66,000	140	\$15,400	140	\$15,400	140	\$15,400	60	\$6,600	140	\$15,400
Sub-total:			\$931,077		\$970,370		\$767,265		\$731,479		\$656,461		\$607,903		\$541,347	

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	GEORGIA STREET		JEFFERSON STREET		AZALEA TERRACE		BOUGANVILLA TERRACE		CROCUS TERRACE		DAFFODIL TERRACE		EUCALYPTUS TERRACE	
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total
END CONDITIONS																
OTHER SITE IMPROVEMENTS																
STREETEND																
Restroom building allowance	\$110,000.00	LS	0	\$0	1	\$110,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Streetend Allowance Not Including Restroom Building	\$150,000.00	LS	1	\$150,000	1	\$150,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Street name mosaic (Allowance 1 ea from Azalea thru Magnolia)	\$2,300.00	LS	0	\$0	0	\$0	1	\$2,300	1	\$2,300	1	\$2,300	1	\$2,300	1	\$2,300
Restoration allowance for FP&L transformer (Allowance)	\$5,750.00	LS	0	\$0	0	\$0	1	\$5,750	1	\$5,750	1	\$5,750	1	\$5,750	1	\$5,750
STREETEND LIGHTING																
Relocate existing broadwalk light pole allowance	\$3,000.00	Ea.	1	\$3,000	1	\$3,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Furnish & install pin lights on decorative posts	\$2,000.00	Ea.	3	\$6,000	3	\$6,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Furnish & install street light pole with single arm fixture	\$7,050.00	Ea.	1	\$7,050	1	\$7,050	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Funish & install pad mounted transformer, 3 phase, 5 kV primary 277/480 volt secondary, 500 kVA	\$71,000.00	Ea.	1	\$71,000	1	\$71,000	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0
Sub-total:				\$237,050		\$347,050		\$8,050		\$8,050		\$8,050		\$8,050		\$8,050
Roadway and Streetend Subtotal Cost				\$1,168,127		\$1,317,420		\$775,315		\$739,529		\$664,511		\$615,953		\$549,397
Maintenance of Traffic and Phasing	2%			\$23,362.54		\$26,348.40		\$15,506.29		\$14,790.59		\$13,290.21		\$12,319.06		\$10,987.94
Direct Cost Development Allowance	9%			\$107,234.07		\$120,939.16		\$71,173.88		\$67,888.79		\$61,002.07		\$56,544.50		\$50,434.64
				\$1,298,724		\$1,464,708		\$861,995		\$822,209		\$738,803		\$684,817		\$610,820

City of Hollywood Community Redevelopment Agency
 East-West Streetscape from Harrison St. to Magnolia Ter.

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	FOXGLOVE TERRACE		GREENBRAIR TERRACE		HYACINTH TERRACE		MAGNOLIA TERRACE		SURF ROAD (Harrison - Iris Ter)		TOTAL
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	
PHASE IV STREETScape - HARRISON STREET TO MAGNOLIA TERRACE													
DEMOLITION													
SITE DEMOLITION													
Removing sod / planter	\$0.05	S.F.	0	\$0	0	\$0	0	\$0	0	\$0	42	\$2	\$30
Demolish A1A Crosswalk, asphalt/paver and concrete base	\$3.50	S.F.	244	\$854	244	\$854	244	\$854	349	\$1,222	0	\$0	\$20,052
Demolish, concrete curbs	\$6.50	L.F.	0	\$0	0	\$0	116	\$754	640	\$4,160	6	\$39	\$33,436
Demolish, concrete gutters, exceeding 8" wide	\$6.50	L.F.	632	\$4,108	642	\$4,173	527	\$3,426	0	\$0	0	\$0	\$69,082
Demolish A1A Crosswalk handicap ramp	\$3.50	S.F.	145	\$508	145	\$508	145	\$508	145	\$508	0	\$0	\$9,135
Demolish, bituminous pavement, 3" thick	\$0.80	S.F.	9,652	\$7,722	10,042	\$8,034	10,123	\$8,098	13,289	\$10,631	50,545	\$40,436	\$270,370
Demolish, concrete sidewalk, 4" thick, excludes hauling	\$3.40	S.F.	0	\$0	265	\$901	1,595	\$5,423	0	\$0	0	\$0	\$155,462
Demolish, concrete sidewalk, 6" thick, excludes hauling	\$3.40	S.F.	2,106	\$7,160	1,643	\$5,586	0	\$0	0	\$0	0	\$0	\$53,955
Demolish bituminous sidewalk, 2-1/2" thick, excludes hauling	\$0.80	S.F.	0	\$0	0	\$0	704	\$563	0	\$0	0	\$0	\$1,285
Removing trees, (Assumes 2 ea per street)	\$190.00	Ea.	2	\$380	2	\$380	2	\$380	2	\$380	0	\$0	\$6,840
Demolish, traffic signage, (Assumes 5 ea per street)	\$65.90	Ea.	5	\$330	5	\$330	5	\$330	5	\$330	32	\$2,109	\$8,040
Demolish, parking meter, (Assumes 2 ea per street)	\$106.10	Ea.	2	\$212	2	\$212	2	\$212	2	\$212	0	\$0	\$3,820
Allowance for Final Cleanup	\$1,000.00	LS	1	\$1,000	1	\$1,000	1	\$1,000	1	\$1,000	4	\$4,000	\$22,000
ELECTRICAL DEMOLITION													
Remove Pole and OH wire, including disposal	\$6,090.00	Ea.	4	\$24,360	5	\$30,450	4	\$24,360	1	\$6,090	10	\$60,900	\$669,900
Remove Pole and OH wire, including disposal - StreetEnd	\$6,090.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$54,810
EARTHWORK													
EARTHWORK													
Roadway excavation and stockpile	\$7.10	C.Y.	467	\$3,316	452	\$3,209	487	\$3,458	608	\$4,317	2,517	\$17,871	\$111,108
Landscape planter excavation	\$13.90	C.Y.	0	\$0	19	\$264	8	\$111	8	\$111	2	\$28	\$6,491
Grade & Compact for curbs	\$11.30	S.Y.	162	\$1,831	183	\$2,068	162	\$1,831	268	\$3,028	2,177	\$24,600	\$80,659
Grade & Prep private property restoration	\$8.50	S.Y.	125	\$1,063	125	\$1,063	125	\$1,063	125	\$1,063	120	\$1,020	\$20,145
Grade & compact roadway subgrade	\$2.10	S.Y.	1,119	\$2,350	1,058	\$2,222	1,169	\$2,455	1,547	\$3,249	4,179	\$8,776	\$73,700
Grade & compact sidewalk subgrade	\$6.80	S.Y.	232	\$1,578	212	\$1,442	252	\$1,714	22	\$150	0	\$0	\$54,672
Roadway load surplus excavated soil, skid steer loader	\$21.60	C.Y.	467	\$10,087	471	\$10,174	495	\$10,692	616	\$13,306	2,519	\$54,410	\$348,106
Final grading, machine	\$2.00	S.Y.	1,491	\$2,982	1,514	\$3,028	1,550	\$3,100	1,580	\$3,160	5,617	\$11,234	\$96,512
PAVEMENT													
SUBGRADE & BASE CONSTRUCTION													
Prepare & roll sub-base for roadways	\$1.70	S.Y.	1,199	\$2,038	1,138	\$1,935	1,248	\$2,122	1,614	\$2,744	5,011	\$8,519	\$63,259
Geotextile fabric, heavy duty, 600 lb. tensile strength (Assume 30% of road subbase)	\$3.00	S.Y.	360	\$1,080	342	\$1,026	375	\$1,125	485	\$1,455	1,504	\$4,512	\$33,519
12" thick Limerock base	\$22.20	S.Y.	1,052	\$23,354	991	\$22,000	1,101	\$24,442	1,456	\$32,323	6,342	\$140,792	\$793,539
8" thick Limerock base	\$17.40	S.Y.	225	\$3,915	226	\$3,932	226	\$3,932	225	\$3,915	0	\$0	\$101,842
6" thick Limerock base	\$15.00	S.Y.	218	\$3,270	219	\$3,285	237	\$3,555	114	\$1,710	0	\$0	\$128,640
Asphalt Paving, 3" thick, property tie-in, outside ROW, (Assumes 120 SY per street)	\$25.80	S.Y.	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096	120	\$3,096	\$58,824

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	FOXGLOVE TERRACE		GREENBRAIR TERRACE		HYACINTH TERRACE		MAGNOLIA TERRACE		SURF ROAD (Harrison - Iris Ter)		TOTAL
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	
SIDEWALK & CONCRETE CURB CONSTRUCTION													
Curbs & gutters Type "F"	\$28.70	L.F.	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	0	\$0	\$33,981
Curb Header 24" x 12"	\$32.50	L.F.	0	\$0	0	\$0	0	\$0	0	\$0	6,530	\$212,225	\$212,225
Curb Type "D"	\$20.70	L.F.	40	\$828	166	\$3,436	40	\$828	680	\$14,076	0	\$0	\$114,430
Drop Curb / Valley Gutter	\$17.20	L.F.	635	\$10,922	638	\$10,974	638	\$10,974	634	\$10,905	0	\$0	\$281,495
6" thick concrete subslab for crosswalk at A1A	\$4.60	S.F.	244	\$1,122	244	\$1,122	244	\$1,122	349	\$1,605	0	\$0	\$26,349
Master Meter foundation, (Assumes 1 ea per street)	\$518.00	EA	1	\$518	1	\$518	1	\$518	1	\$518	0	\$0	\$9,324
4" thick, concrete sidewalk property tie-in, (Assumes 45 sf per street)	\$5.20	S.F.	45	\$234	45	\$234	45	\$234	45	\$234	0	\$0	\$4,212
6" thick handicap ramp with truncated domes (A1A)	\$860.00	EA	2	\$1,720	2	\$1,720	2	\$1,720	2	\$1,720	0	\$0	\$30,960
PAVERS													
Furnish Precast Concrete Roadway pavers, 80mm thick (Type I)	\$3.30	S.F.	9,270	\$30,591	8,725	\$28,793	9,718	\$32,069	12,905	\$42,587	37,486	\$123,704	\$924,403
Furnish Precast Concrete Sidewalk pavers, 60mm thick (Type E)	\$5.00	S.F.	1,860	\$9,300	1,681	\$8,405	2,069	\$10,345	0	\$0	0	\$0	\$338,065
Furnish Precast Concrete Streetend pavers, 80mm thick (Type A)	\$3.10	S.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$52,929
Furnish Reflective Striping pavers, 80mm thick, Type I - (Assumes 0.59 sf per LF of street)	\$4.30	S.F.	190	\$817	189	\$813	190	\$817	192	\$826	0	\$0	\$20,799
Furnish ADA tactile warning tiles, 60mm thick, Type M	\$4.00	S.F.	36	\$144	36	\$144	0	\$0	0	\$0	0	\$0	\$4,896
Install Precast Concrete Roadway pavers	\$2.00	S.F.	9,270	\$18,540	8,725	\$17,450	9,718	\$19,436	12,905	\$25,810	37,486	\$74,972	\$560,244
Install Precast Concrete Sidewalk pavers	\$2.00	S.F.	1,860	\$3,720	1,681	\$3,362	2,069	\$4,138	0	\$0	0	\$0	\$135,226
Install Precast Concrete Streetend pavers	\$2.00	S.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$34,148
Install Reflective Striping pavers	\$2.00	S.F.	190	\$380	189	\$378	190	\$380	192	\$384	0	\$0	\$9,674
Install ADA tactile warning tiles	\$5.70	S.F.	36	\$205	36	\$205	0	\$0	0	\$0	0	\$0	\$6,977
Furnish & install, 1" thick sand bed at pavers	\$0.80	S.F.	11,356	\$9,085	10,631	\$8,505	11,977	\$9,582	13,097	\$10,478	37,486	\$29,989	\$296,696
Additional cost for wave pattern paver installation at Streetend	\$2.00	S.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$18,558
Pressure wash pavers	\$0.50	S.F.	11,356	\$5,678	10,631	\$5,316	11,977	\$5,989	13,097	\$6,549	37,486	\$18,743	\$185,435
Furnish Precast Concrete pavers at A1A crosswalk, 80mm thick, Type I, exclude special colors	\$4.30	S.F.	244	\$1,049	244	\$1,049	244	\$1,049	349	\$1,501	0	\$0	\$24,630
Furnish & install, 1" thick sand bed at A1A crosswalk	\$0.80	S.F.	244	\$195	244	\$195	244	\$195	349	\$279	0	\$0	\$4,582
Pressure wash pavers at A1A crosswalk	\$0.50	S.F.	244	\$122	244	\$122	244	\$122	349	\$175	0	\$0	\$2,864
Install Precast Concrete pavers at A1A crosswalk	\$2.00	S.F.	244	\$488	244	\$488	244	\$488	349	\$698	0	\$0	\$11,456
SIGNAGE & STRIPING													
12" x 18" roadway signs, includes posts (Assumed 15 Ea per street)	\$200.00	Ea.	15	\$3,000	15	\$3,000	15	\$3,000	15	\$3,000	32	\$6,400	\$60,400
Epoxy paint on pavers with reflective beads	\$2.15	S.F.	190	\$409	189	\$406	190	\$409	192	\$413	0	\$0	\$10,400

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	FOXGLOVE TERRACE		GREENBRAIR TERRACE		HYACINTH TERRACE		MAGNOLIA TERRACE		SURF ROAD (Harrison - Iris Ter)		TOTAL
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	
UTILITIES													
WATER													
Relocate Hydrants (Assumed 2 Ea per street)	\$5,220.00	Ea.	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440	2	\$10,440	\$198,360
8" Water main offset relocations at planter islands, s (Assumed 2 Ea per street)	\$9,470.00	Ea.	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940	2	\$18,940	\$359,860
2" Irrigation Service at each StreetEnd s (Assumed 70 lf ea)	\$17.80	LF	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246	70	\$1,246	\$23,674
Supply & install meter box, 12" x 24" box, excludes piping, excavation and backfill. (Assumed 1 Ea per street)	\$106.70	Ea.	1	\$107	1	\$107	1	\$107	1	\$107	1	\$107	\$2,027
Adjust valve box (Assumed 7 Ea per street)	\$246.70	Ea.	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727	7	\$1,727	\$32,811
Sample Point (Assumed 1 Ea per street)	\$803.30	Ea.	1	\$803	1	\$803	1	\$803	1	\$803	1	\$803	\$15,263
Utility location / exploration by vacuum Potholing (Allowance per street)	\$2,295.00	EA	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295	1	\$2,295	\$43,605
Water meter & connection fee, 2" diameter. (Assumed 1 Ea per streetend)	\$2,400.00	Ea.	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400	1	\$2,400	\$45,600
STORM DRAINAGE													
Demolish Existing Drainage Structure (Assumed 2 Ea per street)	\$803.30	Ea	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607	2	\$1,607	\$30,525
Demolish RCP storm pipe. (Assumed 40 lf per street)	\$28.70	LF	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	40	\$1,148	\$21,812
Shift Catch Basin (Assumed 1 Ea per street)	\$2,868.80	Ea	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869	1	\$2,869	\$54,507
Type B Inlet w/ 6310. (Assumed 1 Ea per street)	\$3,844.20	Ea	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844	1	\$3,844	\$73,040
Type B Inlet w/ 5106-6149. (Assumed 1 Ea per street)	\$4,131.10	Ea	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131	1	\$4,131	\$78,491
18" A-2000 PVC Storm pipe, (Assumed 40 lf per street)	\$75.70	LF	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028	40	\$3,028	\$57,532
18" Tie-in w/ concrete collar. (Assumed 1 Ea per street)	\$918.00	Ea	1	\$918	1	\$918	1	\$918	1	\$918	1	\$918	\$17,442
SEWER													
Extend clean out for proposed restrooms	\$33.30	L.F.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$4,995
Adjust Existing Manholes. (Assumed 3 Ea per street)	\$631.10	Ea.	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893	3	\$1,893	\$35,973
POWER - FP&L													
Directional Bore 1-2" across A1A	\$62.70	L.F.	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	0	\$0	\$112,860
Trench Excavating/Restoration	\$17.10	L.F.	1,400	\$23,940	1,400	\$23,940	1,400	\$23,940	1,400	\$23,940	2,500	\$42,750	\$666,387
Furnish & install 2" PVC 40 Primary	\$2.70	L.F.	1,190	\$3,213	1,190	\$3,213	1,190	\$3,213	1,190	\$3,213	5,000	\$13,500	\$96,660
Furnish & install 2" PVC 40 Secondary	\$2.70	L.F.	620	\$1,674	620	\$1,674	620	\$1,674	620	\$1,674	250	\$675	\$43,821
Form, Place & Finish Concrete for underground conduit	\$20.00	L.F.	1,400	\$28,000	1,400	\$28,000	1,400	\$28,000	1,400	\$28,000	2,500	\$50,000	\$779,400
Furnish & install Hand hole 48"x48"	\$2,000.00	Ea.	3	\$6,000	3	\$6,000	3	\$6,000	3	\$6,000	0	\$0	\$108,000
Funish & install pad mounted transformer, 3 phase 5 kV primary 277/480 volt secondary, 500 kVA	\$1,055.70	Ea.	2	\$2,111	2	\$2,111	2	\$2,111	2	\$2,111	0	\$0	\$39,061
Furnish & install 2SEC secondary	\$55.90	L.F.	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975	250	\$13,975	\$265,525
Furnish & install 1PN2C primary	\$7.50	L.F.	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250	700	\$5,250	\$99,750
Furnish & install 2PN2C primary	\$15.00	L.F.	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	1,400	\$21,000	\$399,000
Furnish & install 3PN2C primary	\$22.50	L.F.	0	\$0	0	\$0	0	\$0	0	\$0	1,700	\$38,250	\$38,250

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	FOXGLOVE TERRACE		GREENBRAIR TERRACE		HYACINTH TERRACE		MAGNOLIA TERRACE		SURF ROAD (Harrison - Iris Ter)		TOTAL
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	
CABLE TV - COMCAST													
Directional Bore 1-2" across A1A	\$62.70	L.F.	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	0	\$0	\$112,860
Trench Excavating/Restoration	\$17.10	L.F.	1,230	\$21,033	1,230	\$21,033	1,230	\$21,033	1,230	\$21,033	2,500	\$42,750	\$566,523
Furnish & install 1" PVC 40	\$3.10	L.F.	460	\$1,426	460	\$1,426	460	\$1,426	460	\$1,426	2,500	\$7,750	\$43,028
Furnish & install 2" PVC 40	\$1.90	L.F.	1,420	\$2,698	1,420	\$2,698	1,420	\$2,698	1,420	\$2,698	4,000	\$7,600	\$74,518
TELEPHONE - AT&T													
Directional Bore 1-2" across A1A	\$62.70	L.F.	100	\$6,270	100	\$6,270	100	\$6,270	100	\$6,270	0	\$0	\$112,860
Furnish & install 2" PVC 40	\$2.80	L.F.	1,410	\$3,948	1,410	\$3,948	1,410	\$3,948	1,410	\$3,948	1,600	\$4,480	\$102,592
Furnish & install 4" PVC 40	\$5.10	L.F.	510	\$2,601	510	\$2,601	510	\$2,601	510	\$2,601	2,500	\$12,750	\$77,520
Furnish & install Hand hole 11"x17"	\$1,165.00	Ea.	1	\$1,165	1	\$1,165	1	\$1,165	1	\$1,165	0	\$0	\$20,970
Furnish & install Hand hole 48"x48"	\$2,000.00	Ea.	2	\$4,000	2	\$4,000	2	\$4,000	2	\$4,000	0	\$0	\$72,000
LIGHTING													
Furnish & Install Master Meter & Meter	\$1,180.00	Ea.	2	\$2,360	2	\$2,360	2	\$2,360	2	\$2,360	0	\$0	\$42,480
Furnish & install street light pole with single arm fixture	\$6,272.60	Ea.	6	\$37,636	6	\$37,636	6	\$37,636	6	\$37,636	0	\$0	\$733,894
Furnish & install street light pole with double arm fixture	\$6,560.80	Ea.	1	\$6,561	1	\$6,561	1	\$6,561	1	\$6,561	0	\$0	\$118,094
Furnish & install Hand hole 11"x17"	\$1,165.00	Ea.	7	\$8,155	7	\$8,155	7	\$8,155	7	\$8,155	0	\$0	\$157,275
Furnish & install wire & connect street lighting	\$11,150.00	Ea.	1	\$11,150	1	\$11,150	1	\$11,150	1	\$11,150	0	\$0	\$200,700
Furnish & install NEMA 4X Panel SL1, contactors & time clock, meter complete	\$21,142.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$21,142
Furnish & install NEMA 4X Panel SL2, contactors & time clock, meter omplete	\$20,575.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$20,575
Furnish & install NEMA 4X Panel SL3, contactors & time clock, meter complete	\$20,575.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$20,575
Signed & Seal Wind Load calculations	\$5,750.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$5,750
Furnish & install 2" PVC 40	\$3.10	L.F.	570	\$1,767	570	\$1,767	570	\$1,767	570	\$1,767	0	\$0	\$44,082
Furnish & install 3" PVC 40	\$4.00	L.F.	130	\$520	130	\$520	130	\$520	130	\$520	0	\$0	\$13,160
Trench Excavating/Restoration	\$17.10	L.F.	570	\$9,747	570	\$9,747	570	\$9,747	570	\$9,747	0	\$0	\$243,162
LANDSCAPING													
LANDSCAPE													
Landscaping Allowance - E/W Streets	\$125.00	LF	160	\$20,000	120	\$15,000	120	\$15,000	160	\$20,000	0	\$0	\$845,000
Landscaping Allowance - Surf Road	\$60,000.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	1	\$60,000	\$60,000
IRRIGATION													
Irrigation Allowance	\$8,500.00	LS	1	\$8,500	1	\$8,500	1	\$8,500	1	\$8,500	0	\$0	\$153,000
OTHER SITE IMPROVEMENTS													
SITE FURNISHING													
Landscaping Allowance - Surf Road	\$10,000.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	1	\$10,000	\$10,000
Site Furnishing Allowance - E/W Streets	\$110.00	LF	140	\$15,400	120	\$13,200	120	\$13,200	120	\$13,200	0	\$0	\$717,200
Sub-total:				\$546,843		\$541,788		\$546,000		\$558,897		\$1,236,502	\$15,097,779

Base Bid - Detailed Estimate

Item Description	Unit Cost	UOM	FOXGLOVE TERRACE		GREENBRAIR TERRACE		HYACINTH TERRACE		MAGNOLIA TERRACE		SURF ROAD (Harrison - Iris Ter)		TOTAL
			QTY	Total	QTY	Total	QTY	Total	QTY	Total	QTY	Total	
END CONDITIONS													
OTHER SITE IMPROVEMENTS													
STREETEND													
Restroom building allowance	\$110,000.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$110,000
Streetend Allowance Not Including Restroom Building	\$150,000.00	LS	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$1,350,000
Street name mosaic (Allowance 1 ea from Azalea thru Magnolia)	\$2,300.00	LS	1	\$2,300	1	\$2,300	1	\$2,300	1	\$2,300	0	\$0	\$20,700
Restoration allowance for FP&L transformer (Allowance)	\$5,750.00	LS	1	\$5,750	1	\$5,750	1	\$5,750	1	\$5,750	0	\$0	\$51,750
STREETEND LIGHTING													
Relocate existing broadwalk light pole allowance	\$3,000.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$27,000
Furnish & install pin lights on decorative posts	\$2,000.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$54,000
Furnish & install street light pole with single arm fixture	\$7,050.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$63,450
Funish & install pad mounted transformer, 3 phase, 5 kV primary 277/480 volt secondary, 500 kVA	\$71,000.00	Ea.	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	\$639,000
Sub-total:				\$8,050		\$8,050		\$8,050		\$8,050		\$0	\$2,315,900
Roadway and Streetend Subtotal Cost				\$554,893		\$549,838		\$554,050		\$566,947		\$1,236,502	\$17,413,679
Maintenance of Traffic and Phasing	2%			\$11,097.87		\$10,996.77		\$11,081.00		\$11,338.94		\$24,730.05	\$348,274
Direct Cost Development Allowance	9%			\$50,939.21		\$50,475.15		\$50,861.80		\$52,045.73		\$113,510.92	\$1,598,576
				\$616,930		\$611,310		\$615,993		\$630,332		\$1,374,743	\$19,360,529



Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV) - Alternate #1

Alternate #1 - Asphalt Pavement in lieu of Pavers within Roadway and Parking Spaces

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Alternate #1 - Asphalt Pavement in lieu of Pavers within Roadway and Parking Spaces

Alternate #1 - Detailed Estimate

Item Description	Unit Cost	UOM	Total QTY	Total Cost
PHASE IV STREETScape - HARRISON STREET TO MAGNOLIA TERRACE				
Alternate #1 - Asphalt Pavement in lieu of Pavers within Roadway and Parking Spaces				
PAVERS				
Credit - Furnish Precast Concrete Roadway pavers, 80mm thick (Type I)	\$3.30	S.F.	-280,122	-\$924,403
Credit - Furnish Precast Concrete Streetend pavers, 80mm thick (Type A)	\$3.10	S.F.	-17,074	-\$52,929
Credit - Furnish Reflective Striping pavers, 80mm thick, Type I (Assumes 0.59 sf per LF of street)	\$4.30	S.F.	-4,837	-\$20,799
Credit - Install Precast Concrete Roadway pavers	\$2.00	S.F.	-280,122	-\$560,244
Credit - Install Precast Concrete Streetend pavers	\$2.00	S.F.	-17,074	-\$34,148
Credit - Install Reflective Striping pavers	\$2.00	S.F.	-4,837	-\$9,674
Credit - Furnish & install, 1" thick sand bed at pavers	\$0.80	S.F.	-302,033	-\$241,626
Credit - Pressure wash pavers	\$0.50	S.F.	-302,033	-\$151,017
ASPHALT PAVING				
Additional - Asphalt Paving, 3" thick	\$21.40	SY	33,557	\$718,120
OTHER WORK				
Maintenance of Traffic and Phasing	2 %			-\$25,534
Direct Cost Development Allowance	9 %			-\$117,203
SUB-TOTAL:				-\$1,419,458
Construction Management's Markup				
General Conditions	11 %			-\$156,140
Construction Management Fee	10 %			-\$157,560
Profit	7 %			-\$121,321
Escalated Construction Cost				
Escalation Cost to anticipated midpoint of construction	10.9 %			-\$202,138
Alternate 1 - TOTAL CONSTRUCTION COST:				-\$2,056,617

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV) - Alternate #2

Alternate #2 - Asphalt Pavement in lieu of Pavers within Roadway and Parking Spaces and substitution of sidewalk pavers with regular concrete

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Alternate #2 - Asphalt Pavement in lieu of Pavers within Roadway and Parking Spaces and substitution of sidewalk pavers with regular concrete

Alternate #2 - Detailed Estimate

Item Description	Unit Cost	UOM	Total QTY	Total Cost
PHASE IV STREETScape - HARRISON STREET TO MAGNOLIA TERRACE				
Alternate #2 - Asphalt Pavement in lieu of Pavers within Roadway and Parking Spaces and substitution of sidewalk pavers with regular concrete				
ASPHALT PAVEMENT IN LIEU OF PAVERS WITHIN ROADWAY AND PARKING SPACES				
ALTERNATE #1				
Credit - Cost from Alternate #1	-\$1,419,458	LS	1	-\$1,419,458
PAVEMENT				
SIDEWALK & CONCRETE CURB CONSTRUCTION				
Additional - 4" thick concrete sidewalk	\$5.20	S.F.	49,687	\$258,372
Additional - 6" thick concrete sidewalk at driveways	\$6.90	S.F.	19,150	\$132,135
PAVERS				
Credit - Furnish Precast Concrete Sidewalk pavers, 60mm thick (Type E)	\$5.00	S.F.	-67,613	-\$338,065
Credit - ADA tactile warning tiles, 60mm thick (Type M)	\$4.00	S.F.	-1,224	-\$4,896
Credit - Install Precast Concrete Sidewalk pavers	\$2.00	S.F.	-67,613	-\$135,226
Credit - Install ADA tactile warning tiles	\$5.70	S.F.	-1,224	-\$6,977
Credit - Furnish & install, 1" thick sand bed at pavers	\$0.80	S.F.	-68,837	-\$55,070
Credit - Additional cost for wave pattern paver installation at Streetend	\$2.00	S.F.	-9,279	-\$18,558
Credit - Pressure wash pavers	\$0.50	S.F.	-68,837	-\$34,419
OTHER WORK				
Maintenance of Traffic and Phasing	2 %			-\$4,054
Direct Cost Development Allowance	9 %			-\$18,608
SUB-TOTAL:				-\$1,644,822
Construction Management's Markup				
General Conditions	11 %			-\$180,930
Construction Management Fee	10 %			-\$182,575
Profit	7 %			-\$140,583
Escalated Construction Cost				
Escalation Cost to anticipated midpoint of construction	10.9 %			-\$234,231
Alternate 2 - TOTAL CONSTRUCTION COST:				-\$2,383,142



Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV) - Alternate #2a

Alternate #2a - Asphalt Pavement in lieu of Pavers within Roadway and Parking Spaces and substitution of sidewalk pavers with colored concrete flags

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Alternate #2a - Asphalt Pavement in lieu of Pavers within Roadway and Parking Spaces and substitution of sidewalk pavers with colored concrete flags

Alternate #2a - Detailed Estimate

Item Description	Unit Cost	UOM	Total QTY	Total Cost
PHASE IV STREETScape - HARRISON STREET TO MAGNOLIA TERRACE				
Alternate #2a - Add for colored concrete to concrete sidewalk				
ASPHALT PAVEMENT IN LIEU OF PAVERS WITHIN ROADWAY AND PARKING SPACES AND SUBSTITUTION OF SIDEWALK PAVERS WITH REGULAR CONCRETE				
Alternate #2 - Asphalt Pavement in lieu of Pavers within Roadway and Parking Spaces and substitution of sidewalk pavers with regular concrete				
Credit - Cost from Alternate #2	-\$1,644,822	LS	1	-\$1,644,822
PAVEMENT				
SIDEWALK & CONCRETE CURB CONSTRUCTION				
Add for colored concrete to 4" thick concrete sidewalk	\$1.00	S.F.	49,687	\$49,687
Add for colored concrete to 6" thick concrete sidewalk	\$1.50	S.F.	19,150	\$28,725
OTHER WORK				
Maintenance of Traffic and Phasing	2 %			\$1,568
Direct Cost Development Allowance	9 %			\$7,198
SUB-TOTAL:				-\$1,557,644
Construction Management's Markup				
General Conditions	11 %			-\$171,341
Construction Management Fee	10 %			-\$172,898
Profit	7 %			-\$133,132
Escalated Construction Cost				
Escalation Cost to anticipated midpoint of construction	10.9 %			-\$221,817
Alternate 2a - TOTAL CONSTRUCTION COST:				-\$2,256,831



Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Cost Estimate

Cost of Annual Maintenance

Order of Magnitude Cost Estimate

East-West Streetscape from Harrison Street to Magnolia Terrace (Phase IV)

Estimated Cost of Annual Maintenance

	Total Phase IV Areas
Roadway Area:	274,173 SF

PAVERS AT ROADWAYS / AVERAGE ANNUAL MAINTENANCE COST OF REPAIRS

Maintenance Activities	Maintenance Frequency	Amount	Quantity	UOM	Total Labor & Equip. Cost	Total Material Cost	Average Cost per year
Pressure wash & seal	3 yrs	10.0%	27,417	SF	\$29,031	\$5,483	\$11,504.86
Fix roadway depressions	5 yrs	1.0%	2,742	SF	\$31,173	\$19,109	\$10,056.31
Replace damaged brick pavers	5 yrs	1.0%	2,742	SF	\$31,173	\$19,109	\$10,056.31
Total average maintenance cost per year:							\$31,617

ASPHALT AT ROADWAYS / AVERAGE ANNUAL MAINTENANCE COST OF REPAIRS

Maintenance Activities	Maintenance Frequency	Amount	Quantity	UOM	Total Labor & Equip. Cost	Total Material Cost	Average Cost per year
Crack Filling (Longitudinal, traverse or edge cracks)	5 yrs	2.0%	5,483	LF	\$14,704	\$5,971	\$4,135
Repair potholes	5 yrs	2.0%	5,483	SF	\$79,433	\$15,627	\$19,012
Pavement patches (fatigue cracking)	5 yrs	1.0%	2,742	SF	\$66,057	\$10,803	\$15,372
Mill & overlay	8 yrs	100%	274,173	SF	\$238,375	\$178,407	\$52,098
Total average maintenance cost per year:							\$90,617

Additional annual cost of asphalt maintenance vs. paver maintenance

\$59,000

	Total Phase IV Areas
Sidewalk Area:	109,389 SF

PAVERS AT SIDEWALKS / AVERAGE ANNUAL MAINTENANCE COST OF REPAIRS

Maintenance Activities	Maintenance Frequency	Amount	Quantity	UOM	Total Labor & Equip. Cost	Total Material Cost	Average Cost per year
Pressure wash & seal*	1 yrs	2.0%	2,188	SF	\$2,305	\$438	\$2,743
Fix sidewalk differential settlements	1 yrs	1.0%	1,094	SF	\$31,173	\$7,624	\$38,797
Replace damaged brick pavers	5 yrs	0.5%	547	SF	\$15,586	\$3,812	\$3,880
Total average maintenance cost per year:							\$45,419

CONCRETE SIDEWALKS / AVERAGE ANNUAL MAINTENANCE COST OF REPAIRS

Maintenance Activities	Maintenance Frequency	Amount	Quantity	UOM	Total Labor & Equip. Cost	Total Material Cost	Average Cost per year
Patching concrete	2 yrs	1.0%	1,094	SF	\$6,084	\$2,038	\$4,061
Crack repair	2 yrs	1.0%	1,094	LF	\$3,236	\$251	\$1,744
Fix sidewalk differential settlements	1 yrs	1.0%	1,094	SF	\$6,126	\$251	\$6,377
Replace damaged sidewalk	2 yrs	0.5%	547	SF	\$2,884	\$1,469	\$2,176.46
Total average maintenance cost per year:							\$12,615

Additional annual cost of paver maintenance vs. concrete sidewalk maintenance

\$32,805

* Based on notes from COH.

RESOLUTION NO. R-CRA-2021- 21

A RESOLUTION OF THE HOLLYWOOD, FLORIDA COMMUNITY REDEVELOPMENT AGENCY ("CRA") AUTHORIZING THE APPROPRIATE CRA OFFICIALS TO PURSUE A FEDERAL GRANT THROUGH THE BROWARD METROPOLITAN PLANNING ORGANIZATION TOWARDS IMPLEMENTING ECONOMIC VITALITY, RESILIENCY, MOBILITY AND SAFETY IMPROVEMENTS FOR THE CRA PHASE IV E/W STREETScape FROM HARRISON STREET TO MAGNOLIA TERRACE BETWEEN STATE ROAD A1A AND BROADWALK; FURTHER AUTHORIZING THE APPROPRIATE CRA OFFICIALS TO EXECUTE ALL APPLICABLE PROGRAM DOCUMENTS AND AGREEMENTS.

WHEREAS, the Broward Metropolitan Planning Organization ("Broward MPO") has adopted Commitment 2045, their Metropolitan Transportation Plan ("MTP"); and

WHEREAS, the CRA has identified the Phase IV E/W Undergrounding of Overhead Utilities and Streetscape Beautification project as a Capital Improvement Project; and

WHEREAS, the Community Redevelopment Agency ("CRA") Board approved the Capital Improvement Plan in September 2020, which included the Phase IV E/W Undergrounding of Overhead Utilities and Streetscape project; and

WHEREAS, this project will include but is not be limited to the following:

- Improve the existing drainage system and adjust the profile of the E/W streets to mitigate flooding;
- Harmonize the public right-of-way and private property to reduce flooding;
- Ensure safety and safe conditions through infrastructure improvements;
- Place overhead utility lines underground as a hardening of the utility system;
- Improve circulation for pedestrians, bicyclists and motorists;
- Reduce traffic congestion by allowing better connectivity to State Road A1A;
- Create a safe and resilient environment which stimulates commercial redevelopment and revitalization; and
- Upgrade the level of service, accessibility and quality of life for residents and visitors

; and

WHEREAS, the Phase IV E/W Streetscape resiliency improvements will mitigate flooding along the local street connectors, creating safe access to and from State Road A1A, which is Florida Department of Transportation Right-Of-Way; and

WHEREAS, the Phase IV E/W Undergrounding of Overhead Utilities and Streetscape Beautification project was identified within the 1997 Hollywood Beach Community Redevelopment Plan as it promotes redevelopment and eliminates the causes of physical and economic blight; and.

WHEREAS, the Broward MPO on behalf of the CRA has the opportunity to apply for federal grant funding to partially fund mobility and resiliency projects within the City's rights-of-way for the Phase IV E/W Undergrounding of Overhead Utilities and Streetscape Beautification project within the following areas: East/West streets from Harrison Street to Magnolia Terrace between State Road A1A and the Broadwalk; and

WHEREAS, the CRA desires to apply for this grant in a total aggregate amount not to exceed \$28,000,000.00; and

WHEREAS, the grant requires the CRA to commit minimum matching funds estimated at 50% of total costs for the project; and

WHEREAS, the required matching funds will be made available contingent upon the federal grant award in the year required, which is anticipated to be FY 2022, and subject to the availability of funds; and

WHEREAS, if the project were to be funded by the Broward MPO, the CRA acknowledges that the project will be delivered through a federal grant; and

WHEREAS, upon completion of the project, the CRA will be responsible for operating and maintenance costs; and

WHEREAS, the Broward MPO requires that the CRA Board pass and adopt a Resolution in order for a federal grant application to be accepted and evaluated for ranking; and

WHEREAS, funding will be made available in Fiscal Year 2022, subject to award of grant funding for the project and the CRA's decision to accept the grant; and

WHEREAS, the Phase IV E/W Undergrounding of Overhead Utilities and Streetscape Beautification project local match will be provided through CRA funding sources.

NOW, THEREFORE, BE IT RESOLVED BY THE HOLLYWOOD, FLORIDA COMMUNITY REDEVELOPMENT AGENCY:

Section 1: That the foregoing "WHEREAS" clauses are ratified and confirmed as being true and correct and are incorporated in this Resolution.

Section 2: That it authorizes the appropriate CRA officials to pursue a federal grant through the Broward MPO for funding of the Phase IV E/W Streets Project from Harrison Street to Magnolia Terrace between State Road A1A and the Boardwalk in an amount not to exceed \$28,000,000.00.

Section 3: That the CRA Executive Director is authorized to accept the funding, if awarded, provided that the CRA Executive Director shall have the discretion to refuse the funding in those circumstances where he determines it is in the best interest of the CRA to do so, in which case he shall advise the CRA Board of his intention to refuse the funding.

Section 4: That upon the federal grant funding being awarded to the CRA, and the CRA Executive Director accepting the award, the appropriate CRA officials are authorized to execute all agreements and other applicable documents in a form acceptable to the CRA Executive Director and approved as to form and legal sufficiency by the CRA's General Counsel.

Section 5: That this Resolution shall be in full force and effect immediately upon its passage and adoption.

A RESOLUTION OF THE HOLLYWOOD, FLORIDA COMMUNITY DEVELOPMENT AGENCY AUTHORIZING THE APPROPRIATE CRA OFFICIALS TO PURSUE A FEDERAL GRANT THROUGH THE BROWARD METROPOLITAN PLANNING ORGANIZATION TOWARDS IMPLEMENTING ECONOMIC VITALITY, RESILIENCY, MOBILITY AND SAFETY IMPROVEMENTS FOR THE CRA PHASE IV E/W STREETScape FROM HARRISON STREET TO MAGONLIA TERRACE BETWEEN STATE ROAD A1A AND BROADWALK; FURTHER AUTHORIZING THE APPROPRIATE CRA OFFICIALS TO EXECUTE ALL APPLICABLE PROGRAM DOCUMENTS AND AGREEMENTS.

PASSED AND ADOPTED this TH day of April, 2021.

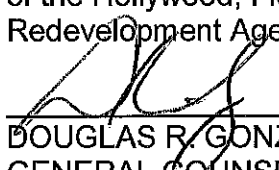
ATTEST:

HOLLYWOOD, FLORIDA COMMUNITY
REDEVELOPMENT AGENCY


PHYLLIS LEWIS, BOARD SECRETARY


JOSH LEVY, CHAIR

APPROVED AS TO FORM AND LEGAL
SUFFICIENCY for the use and reliance
of the Hollywood, Florida Community
Redevelopment Agency only.


DOUGLAS R. GONZALES
GENERAL COUNSEL *du*

HOLLYWOOD BEACH ROAD ELEVATION



Phase IV Street Reconstruction and Resiliency Improvements
East-West streets from Harrison Street to Magnolia Terrace

City of Hollywood, FL

HOLLYWOOD BEACH ROAD ELEVATION

Typical Section



- HARMONIZATION OUTSIDE OF RW
- PROPOSED SIDEWALK
- PROPOSED VALLEY GUTTER
- PROPOSED PAVER STREET
- PROPOSED LANDSCAPE AREA

Proposed Elevation and Harmonization Limits are Approximate.
VAN BUREN STREET - Limited street elevation improvements to support FDOT drainage solutions.



HOLLYWOOD BEACH ROAD ELEVATION



VAN BUREN STREET - HOLLYWOOD, FLORIDA

Limited street elevation improvements to support FDOT drainage solutions.

Kimley-Horn



JAN 18 2021

Harrison Street



Harrison Street



Harrison Street



Van Buren Street



Eucalyptus Terrace



Daffodil Terrace



Hyacinth Terrace



Iris Terrace

