



# City of Lewisville

## IH-35E Corridor Identity Plan

April 2012 - Final



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This plan has been prepared by Parsons Brinckerhoff for the City of Lewisville, Texas.

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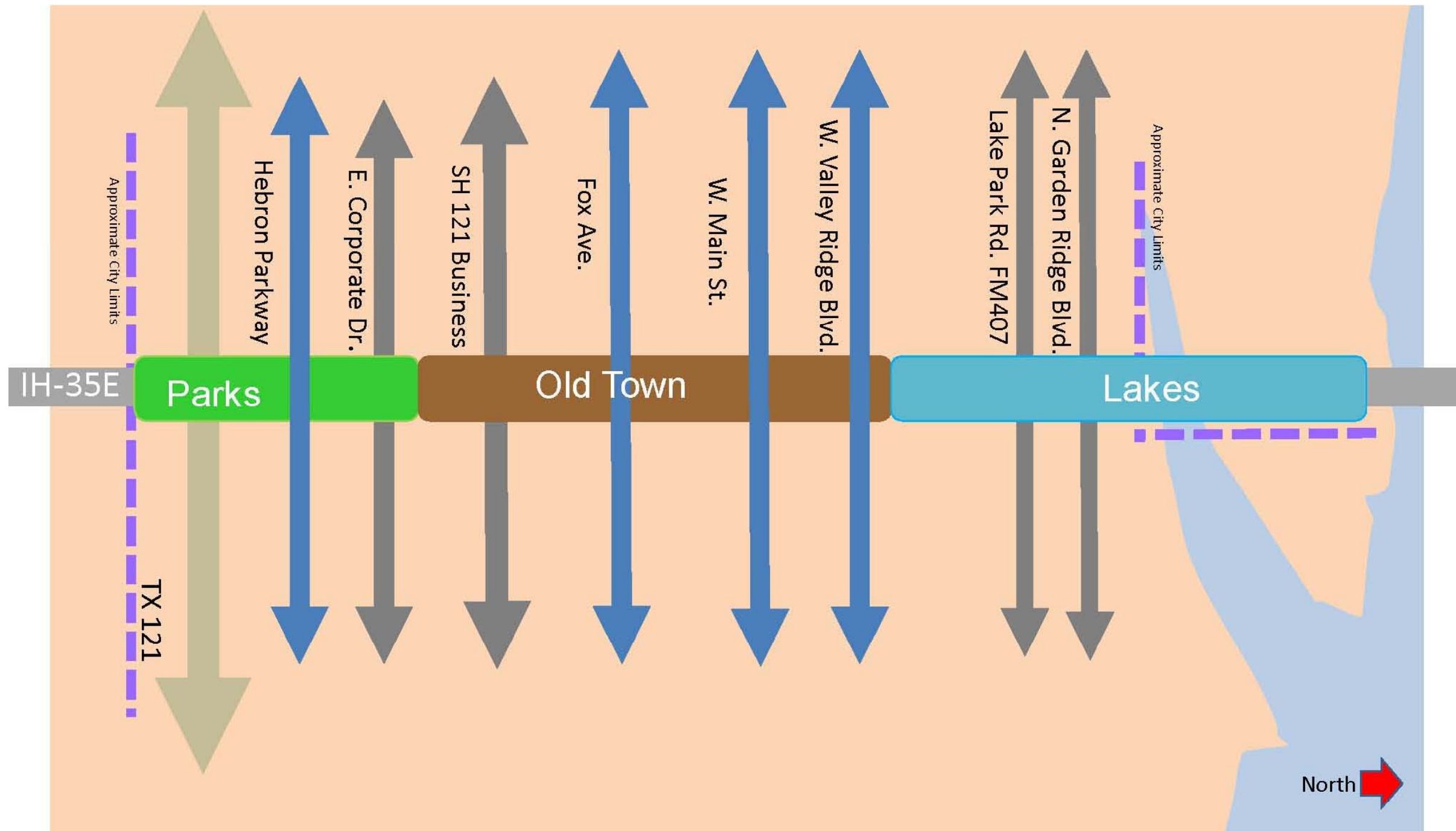
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# Overview

The Texas Department of Transportation TxDOT has plans underway to widen IH-35E substantially through the entire length of the City of Lewisville corridor. The proposed highway expansion presents a unique opportunity to re-examine the I-35E corridor, identify opportunities and barriers for existing uses and key redevelopment areas to maximize economic development. The City of Lewisville is taking proactive steps to ensure that the redevelopment form and character along the corridor are improved, and that future development fulfills the City's vision for high-quality, focused growth.

This Identity Plan is a companion document to the I-35E Redevelopment Plan prepared earlier by the city. The redevelopment plan defines the objectives to repairing the city fabric adjacent to the IH-35E corridor after the IH-35E reconstruction project is completed. In contrast the identity plan outlines aesthetic betterments which are to be largely incorporated within the IH-35E corridor reconstruction effort and thereby create provide a unique city identity to the corridor in the City of Lewisville.



## Study Area

The City of Lewisville is located approximately 20 minutes northwest of Dallas within Denton County. Lewisville is a growing, thriving city. The 2010 population of Lewisville was 96,450, and according to the North Central Texas Council of Governments, is anticipated to increase 15% by 2030. This rate of growth exceeds projections for the larger Dallas area, which is anticipated to grow 6.7% to 1,404,847 persons by 2030.

The study area encompasses an 8-mile segment of IH-35E through the City extending from just south of the Hebron Parkway Interchange to the North Garden Ridge Blvd. interchange.

The primary focus of the Corridor Identity Plan is to recommend enhancements to the interchanges located along the IH-35E corridor which will be reconstructed by TxDOT. After a corridor analysis and discussions with the city it was determined that the following interchanges be identified as major contributors to the Identity Plan.

Hebron Parkway  
East Corporate Drive  
Business SH-121  
West Main Street  
Fm 407/ Lake Park Rd.  
North Garden Ridge

Likewise it was determined that Fox Avenue and West Valley Ridge Boulevard be identified as minor contributors to the Corridor Identity Plan.

## Goals and Objectives

The goal of the Corridor Identity Plan is to provide recommendations to the City of Lewisville regarding how the City might influence the aesthetics design of the IH-35E corridor reconstruction about to be undertaken by TxDOT to achieve a more contextual character. The overriding purpose is to enhance the character by establishing design guidelines for the treatment of infrastructure and landscape such that the community's identity is obvious to the motoring public within the corridor. The objectives for the Identity Plan Improvements are as follows:

- Be readily achievable within the normal scope of TxDOT highway construction thereby allowing for potential inclusion into the Design Build documents (Comprehensive Development Agreement -CDA) being prepared by TxDOT for the IH-35E corridor reconstruction.
- Concepts are developed at a level such that the Developer can reasonably assess and assign cost to the improvements.
- Work within the established aesthetics plan framework prepared by TxDOT for this corridor.
- Limit the alteration of the proposed geometric layout for the transportation facilities.
- Maintains and enhances safe facility operations.
- Does not result in significant ongoing maintenance operations for the City and;
- May in part be implemented later in the future without undue impact to facility operation or TxDOT right of way .



# Identity Plan Development Process

As an initial step in the process, the design team conducted an analysis of the proposed TxDOT IH-35E improvements to assess the opportunities to insert community identity into the IH-35E corridor. After several meetings with the steering committee and City Staff the general locations of the proposed improvements were documented in the Final Corridor Identity plan.

This includes location for the following elements:

- main lane and right-of-way landscaping,
- hardscape improvements,
- sidewalk enhancements,
- wall graphic locations,
- community scale gateway features, and;
- cross- street scale community gateway features

## Identity Elements

As a part of the overall Community Identity Plan there are a number of elements that will be used consistently throughout the Lewisville corridor. These elements provide a continuity of form and style for the new urban design direction for the City. These include:

- Pedestrian Lighting
- Banner Poles
- Decorative Paving
- Pedestrian Barriers
- Way finding system
- Planting Pots
- Street Scale Community Gateway framework
- Crosswalk Paving, and:
- Cross- street underpass abutment wall treatment

In contrast to the elements above, the following elements will be altered to establish the unique appearance for each of the three Visual Character Zones. These elements include:

- Wall graphics
- Abutment wall accent panels
- Decorative paving on sidewalks , island nosing and hardscape under bridge decks adjacent to abutments
- Pedestrian protection barrier walls and;
- Finishes and wall configurations on street scale community gateway features.

# Identity Plan Development Process

The planning process for the identity plan was conducted during the summer of 2011 commencing with a kickoff meeting with City staff in May and culminating with City Council presentation and approval in December 2011. During this period, regular meetings were conducted with a steering committee and City staff. These meetings provided an opportunity to define the vision and direction for the Identity Plan development. Through these early activities it was determined that the Identity plan should focus on recommendations which provide enhancements to the following three areas.

- Right-of-Way Landscape
- Enhancements to TxDOT Infrastructure such as walls, pedestrian walkways, hardscape and other vertical amenities such as lighting, barrier walls, way finding and street furnishings and;
- Community Gateway Features

# Visual Character Zones

The character of the 8-mile corridor changes between its northern boundary at Lewisville Lake to its southern boundary at Hebron Parkway. During meetings with the steering committee it was determined to create an overall theme and to divide the corridor into 3 zones to address character more contextually. The overall theme was established for the design of some of the elements to achieve consistency throughout the corridor and to integrate with TxDOT's design themes for neighboring cities. The three zones were developed to emphasize the unique character near the Lake to the north, the urban conditions in the middle section of the corridor, and the more park-like elements near the south end of the corridor. The character zones are discussed in more detail on page 6.



## Corridor Enhancement Elements

In order to develop a unique identity for the City of Lewisville it was determined that a number of elements should be added to the standard design features proposed by TxDOT. As described about, the goal is to add elements that will work with the proposed aesthetics plan and can be easily and cost effectively integrated into the overall design of the IH-35E Corridor. To help the City prioritize proposed improvements, the enhancement elements have been divided into two categories.

1. Enhancements to standard TxDOT treatments, and;
2. Non-typical enhancements to standard TxDOT treatments.

The following describe enhancements selected for Lewisville interchanges to enhance the aesthetics and provide unique community identity.

### *Typical enhancements to standard TxDOT transportation infrastructure include:*

- Custom wall graphics will be used to communicate locally significant natural or cultural heritage of the city. The subject for these graphics include historic, cultural, and indigenous flora and fauna. The graphics will be used on the faces of retaining walls proximate to bridge abutment wing walls and adjacent to key cross street overpasses.
- Underpass wall panels: The wall panel faces of the abutment wall at selected (cross street underpass locations) will include a cast stone framework surrounding areas of brick panels which in turn surround accent brick or glazed tile panels. The character of the accent panels will be altered for each character zone.
- Protection barriers will be used to add aesthetic character, define pedestrian walkways, channel pedestrian flows and protect pedestrians from adjacent vehicular traffic.
- Decorative pedestrian paving to be used on sidewalks, median noses, traffic control islands and in spaces beneath the bridges
- Decorative cross walks will be colored and stamped pavement to match city standard, and;
- Plantings. Grasses and Wildflower Landscape plantings will be used consistently throughout the corridor.

*Non-typical enhancements to standard TxDOT transportation infrastructure are also proposed, which will further create the unique City of Lewisville identity. These include:*

- Gateway features. Free standing street scale gateway features will be placed at ramp termini in the interchange areas on City Right of way to announce the arrival to the City of Lewisville.
- Planter pots will be located along primary walkways to define walkways and to provide the opportunities for seasonal floral display. Irrigation will be installed to the pots for ease of maintenance and to increase survivability of plantings.
- Decorative pedestrian scale lighting fixtures will be used to line the walkways over and under bridges and to accent portions of the U-turn loops. The lighting to be a functional aid to pedestrians and to create a memorable motoring experience under the bridges.
- Banner stanchions will be used as a platform for dynamic graphic and informational media as well as create a prominent vertical element.
- Way finding systems will be located along sidewalks at key interchanges to aid pedestrian navigation through the IH-35 E highway corridor.
- Plantings. Woody landscape plantings will be included at cross-street interchanges locations and;
- Automated irrigation systems will be installed to enhance establishment of woody plantings.

A diagrammatic layout of improvements for the City of Lewisville IH-35 E corridor by Character Zone can be viewed in Appendix A at the end of this design guide.



## Right-of Way Landscape Enhancements

The standard landscape treatment within a TxDOT project is to stabilize all soil surfaces with either concrete pavement or seed / sod with hardy drought tolerant grasses. In some locations wild flowers are also used to add seasonal interest and to reduce the need to mow the right-of-way.

Further landscape enhancement including trees or shrub plantings is allowable if a sponsoring agency/municipality partners with TxDOT and assumes all future maintenance responsibilities. With this in mind it has been recommended that additional tree and shrub plantings be considered for specific interchange locations along the Lewisville I-35E Corridor.

Locations proposed for the addition of Tree and shrub plantings include:

- Within right of way spaces parallel to on/off ramps and along frontage roads and down cross streets proximate to interchanges along the I-35E corridor and;
- Within right of way along the frontage roads which parallel the reconstructed corridor and community redevelopment areas.

*The plantings selected for use in the interchange locations are species have the following characteristics:*

- Record of success in highway plantings within the Dallas area
- Easily established and require the minimum of care through their lifespan.
- Drought tolerant
- Well-suited to mass arrangements in planting beds to ease maintenance and to enhance the visual impact of a large concentration of plant materials.
- Commercially available, and;
- Will not become a pest by establishing itself outside of the designated planting beds.

A planting palette has been developed for use in the corridor for each Visual Character Zone. See Appendix B.

## Overall Corridor Planting Principles

The following general principles will be used for plantings throughout the I-35E corridor in the City of Lewisville.

- Use the Loblolly Pine as defining species for plantings within the City of Lewisville corridor by installing pine grouping between frontage road and right of way to establish a unifying visual element throughout the corridor.
- Plant native grasses /wildflower mixes adjacent to main lanes to reduce maintenance and unify corridor.
- Feature selected plant species at each of the three character areas to create a unique image for each area.
- Provide foundation plantings along wing walls and frontage roads within 500 feet of cross streets.
- Provide plantings in cross street medians and right-of-way zones within 400 feet of frontage roads.
- Provide low level screen landscape planting in right-of-way zone between sidewalks and right-of-way.
- Consider primary viewers including those on cross streets, frontage roads and main lanes which will allow the user to experience landscapes at different speeds, distances and perspectives. Planting will be employed in mass to achieve the desired effect as appropriate for the viewers of the landscape.
- Reinforce gateways and areas of civic importance adjacent to the frontage road with appropriate landscape.
- Provide a concrete landscape edge and 4' wide minimum mowed turf area adjacent to frontage roads to provide definition and structure to planting beds, and;
- Provide drip irrigation at all planting beds. Utilize Evapo-transpiration (ET) irrigation technology to reduce water consumption. Irrigation may be temporary for plant establishment and for emergency watering thereafter.

In addition to the principles above, specific plant characteristics will be used as a basis for plant selection within each of the three visual character zones.



# Visual Character Zones

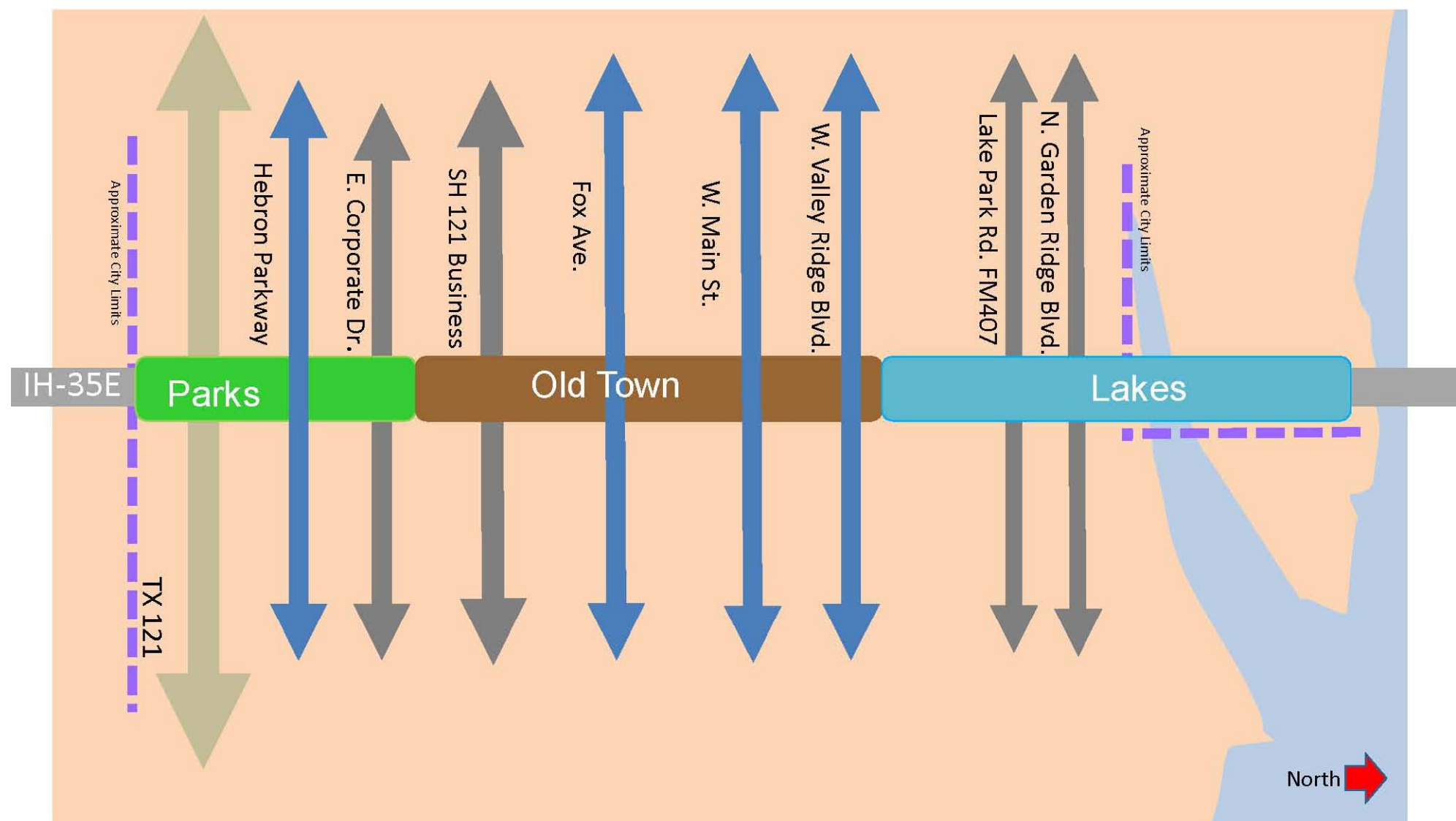
As an integral part of the City’s IH-35E Corridor Redevelopment Plan, three distinct visual character areas were identified. The three areas express the current and future visual and functional characteristics of the city in the respective portions of the IH-35E Lewisville corridor.

The three visual character zones described herein are unique to Lewisville but are overlays to the visual character zones of Urban and Lakes as identified in TxDOT Corridor Aesthetics Plan and Corridor Design Guidelines. It is the intention that the principles identified in the above TxDOT documents are the basis for the design treatment in Lewisville and that the design concepts of this document would be supplemental in nature. That is to further stipulate that the TxDOT design principles will be used for the City of Lewisville corridor unless otherwise identified in this document.

The three City of Lewisville Visual Character Zones include:

- Parks, located at the southern end of the corridor,
- Old Town in the central portion of the corridor and;
- Lakes at the northern end of the corridor.

The following narrative and illustrations describes in greater detail the three Visual Character zones and the proposed aesthetic enhancements for each.







**PARKS CHARACTER ZONE**

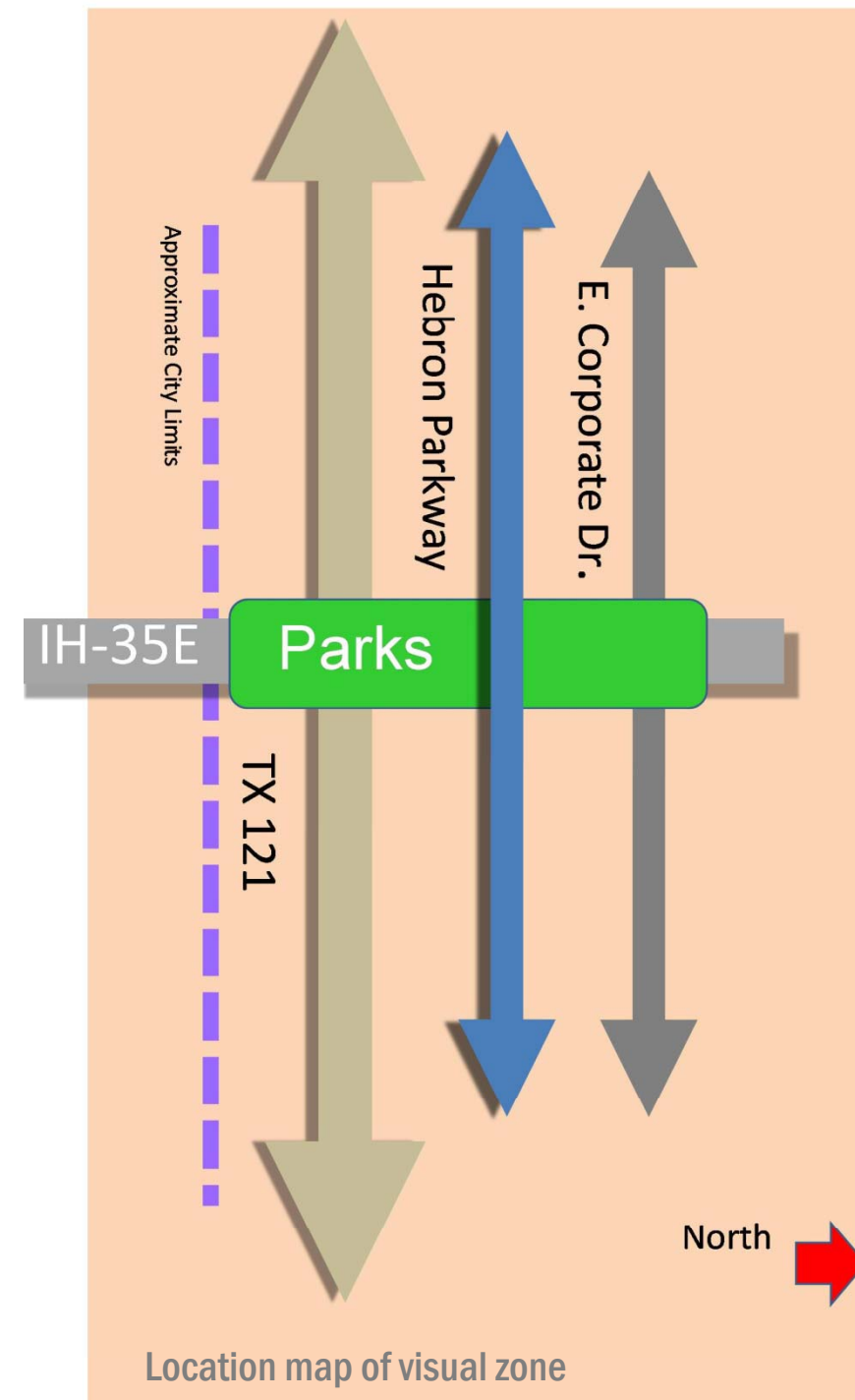
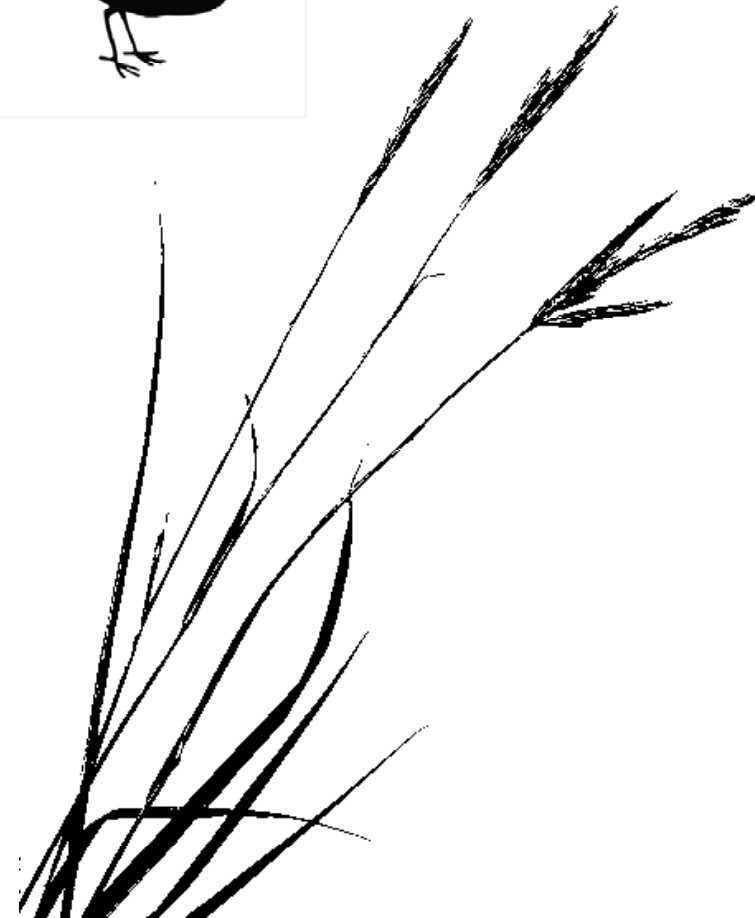


# Parks Character Zone

The limits of the Parks character zone extend from the north end of the TX 121/IH-35E interchange to north of the East Corporate Dr. Interchange. The zone includes the Hebron Parkway (IH-35E underpass) and East Corporate (IH-35E overpass) interchanges.

## Visual Character Description

The development of the Park character is accomplished by incorporating forms and patterns from nature. This includes examples of native flora and fauna of the region. The majesty of the buffalo and delicacy of the Texas Blue Belle along with native grasses and song birds feature prominently in this design motif. The meanders of the local streams provide inspiration for walkways in terms of forms and textures. The walkway design celebrates the high quality open space and trails system found throughout the community.





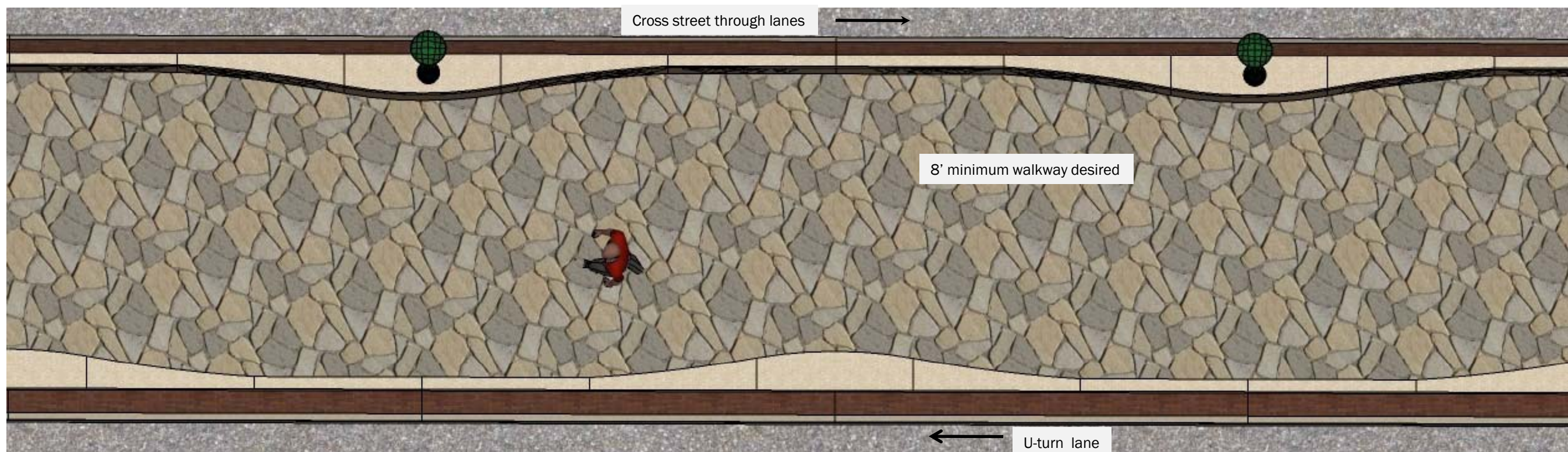
# Parks Character Zone

## Design Elements

### Pedestrian Paving

Paving of sidewalks in this character zone both over and under IH -35 E bridges will consist of a stamped and colored concrete pavement. The desired appearance is that of a natural flag stone pattern with three blended colors. The chosen pavement finish surface, colors and jointing shall meet all applicable Federal and Texas Accessibility Standards. Expansion and crack control joints may be placed where ever they are needed and shall run perpendicular to curb line wherever possible.

*Note: The arrangement of undulations in pedestrian barriers are offset from one side of walk to the other. Lighting is located along the through lane side of walkway only.*



Plan of pedestrian barriers and paving.



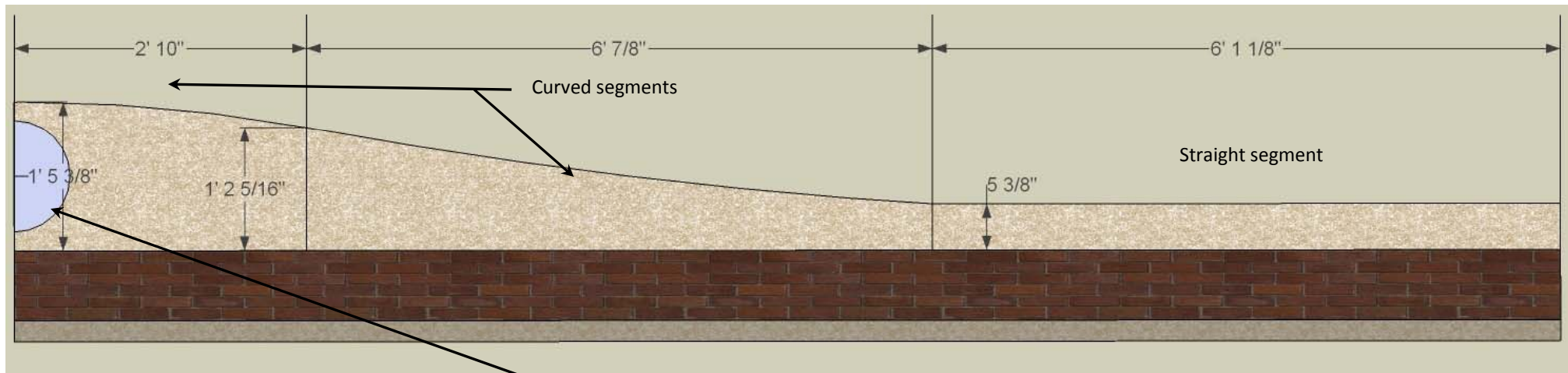
Plan of pedestrian paving pattern and color with 1' x1' grid for scale



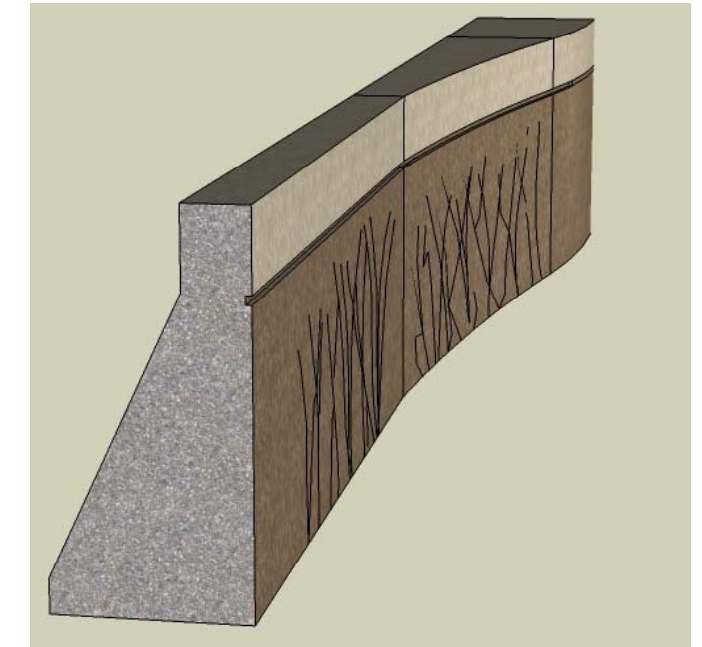
# Parks Character Zone

## Pedestrian Barriers

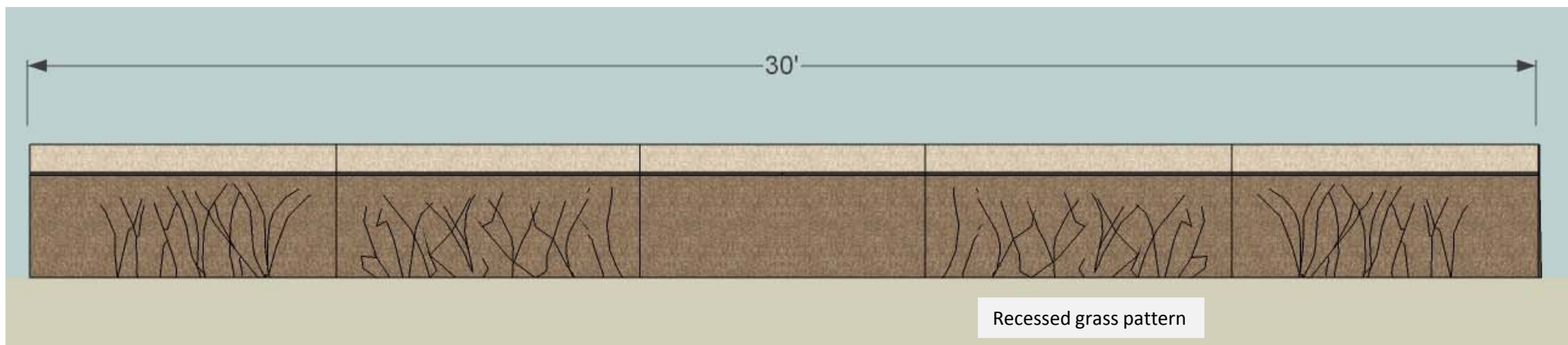
The sidewalks under and over IH -35E at City of Lewisville cross streets will be defined by pedestrian barriers. These barriers will be modified from standard approved TxDOT barriers. The barrier will be modified such that it will be of sufficient size and mass to support the proposed pedestrian lighting. The barrier section for the Parks zone has a sloped outer face and a vertical interior face. The interior face undulates with a compound radial shape centered on each +/- 30' wall module. The interior face is to have a repeating native grass pattern recessed in the surface in all areas except the center segment. The top and upper coping are to be treated with the standard TxDOT IH-35E corridor color palette. The lower portion with the grass pattern is to receive a color that is two to three shades darker than the standard color. The exterior barrier face is to have a standard brick pattern embossed into the surface with form liners. The brick shall colored to simulate real brick including a mortar color and surface brick color to match that found on the Lewisville City Hall. The base and upper coping are to use the standard TxDOT color palette. Pavement panels will vary depending upon the width of the walkway. The walkway width and placement of pedestrian barriers will need to be considered for each cross street location early in the process as this will affect overall bridge widths. Pedestrian barriers will either need to be held back 2' from face of curb or have impact attenuation integrated into the ends of the barriers facing oncoming traffic.



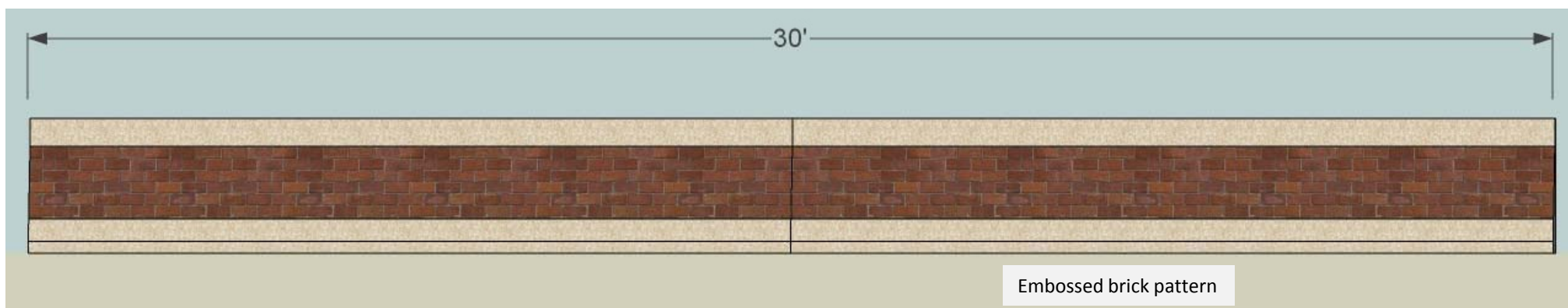
Plan view of half of typical barrier segment Pedestrian lighting to be mounted to top at center of barrier segment where occurs.



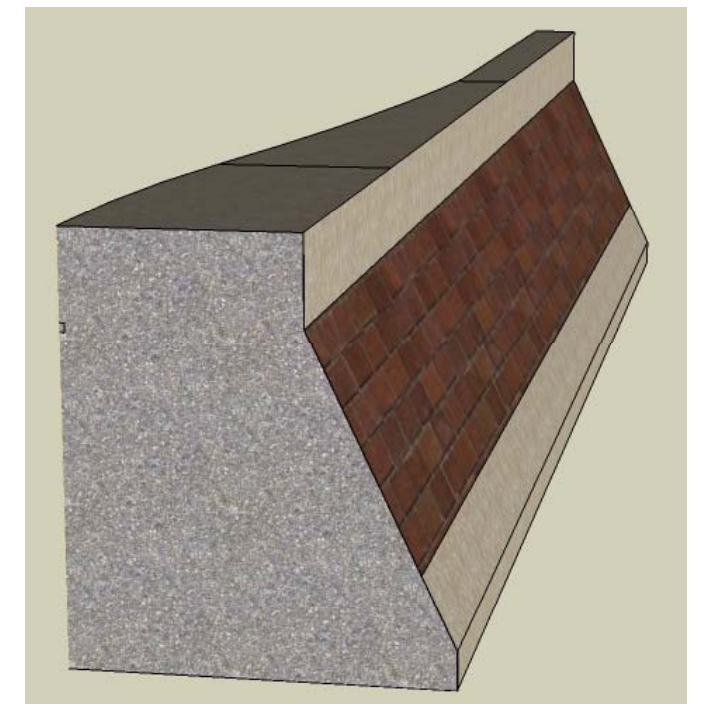
Isometric view of inside face.



Inside elevation view of pedestrian barrier.



Outside elevation view of pedestrian barrier.



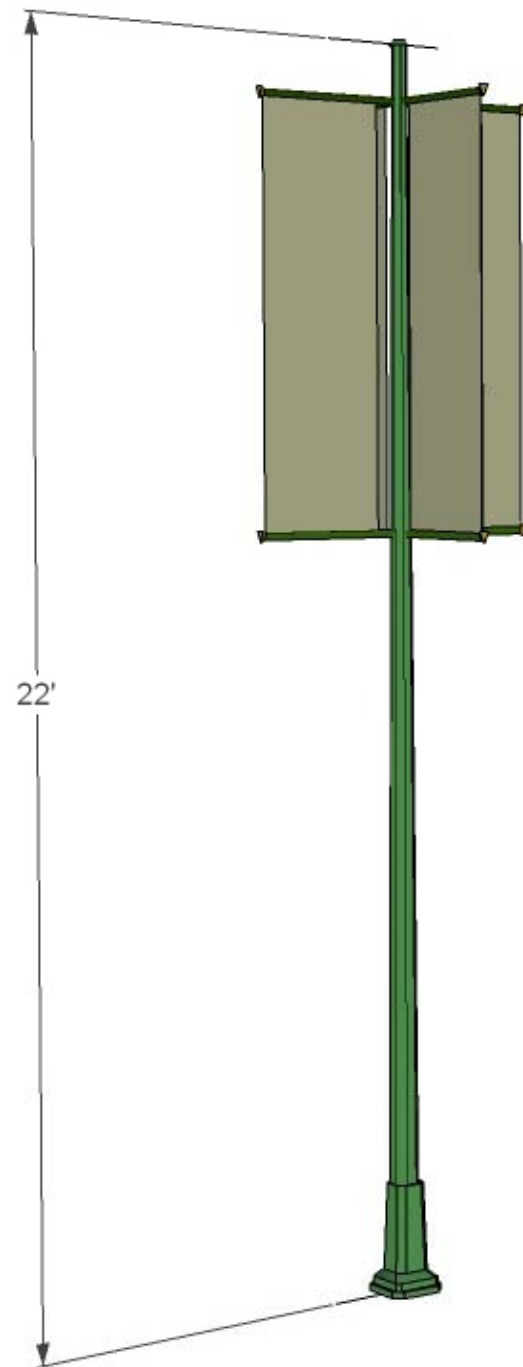
Isometric view of outside face.



# Parks Character Zone

## Streetscape Amenities

The use of additional streetscape amenities will complete the design for this character zone. The following elements will be used at Hebron Parkway and East Corporate Dr. generally as displayed in the sketches to follow.



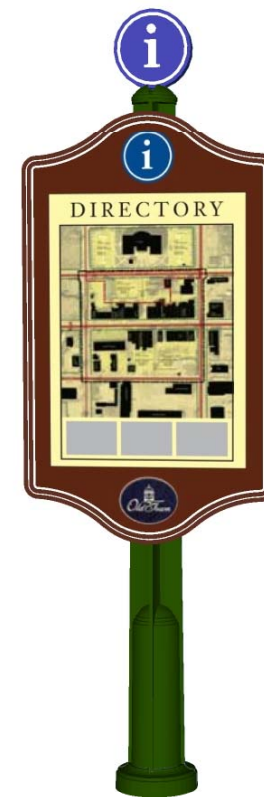
22' tall banner Pole  
Olive green



The Cross- Street Gateway element is to be placed outside of the right-of way on City of Lewisville property. Arches within Main panels to receive embossed grasses graphic similar to pedestrian separation barriers. Side walls to be constructed similar to pedestrian barriers with curved segments. In locations where no such property can be provided, the Gateway will not be constructed. See Appendix C for additional information on general gateway dimensions.



12' tall Alcott pedestrian lighting fixture  
Olive green



8' tall informational sign  
Olive green



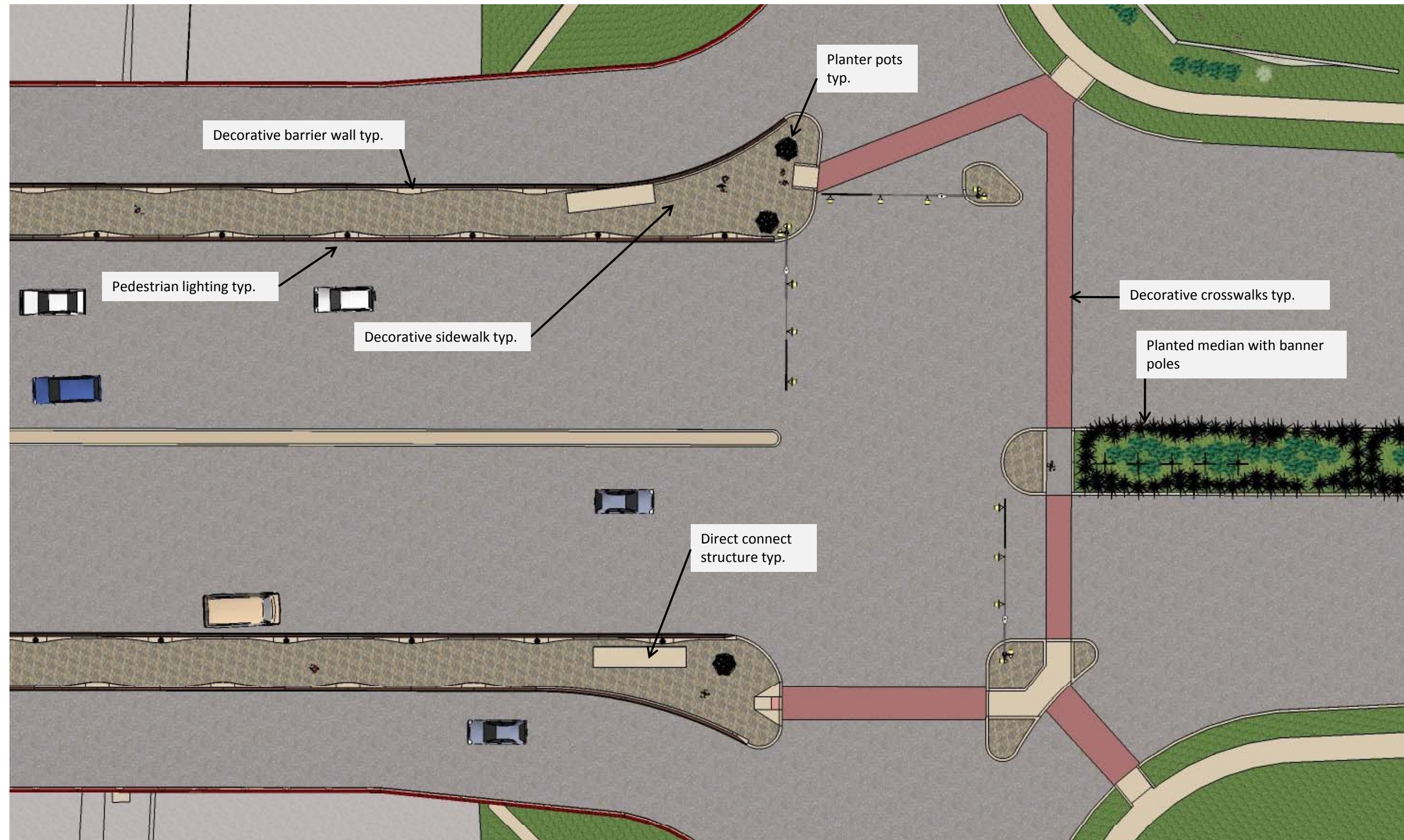
5' diameter cast stone planter pot



# Parks Character Zone – Hebron Parkway Overpass

## Schematic Plan Layout

The following plan provides a general illustration of how the various elements of the Parks Character zone are intended to be used at Hebron Parkway. The direct connect roadway structure which overpasses the interchange has been omitted for clarity. These improvements are shown for one half of the interchange and are to be repeated on the other half as well.





# Parks Character Zone – Hebron Parkway Overpass

## Character Sketch

The following sketch illustrates application of the Parks design elements to the east end of the Hebron Parkway Interchange.





## Parks Character Zone – Hebron Parkway Overpass

### Character Sketch

The following sketch provides more detailed view of the main pedestrian crossing with decorative paving, undulating barrier walls, pedestrian lighting, way-finding sign and planter pot. View to the west





# Parks Character Zone – Hebron Overpass

## Character Sketch

The following sketch provides more detailed view of the main pedestrian crossing with decorative paving, undulating barrier walls, pedestrian lighting and planter pot. The cross street gateway can be seen in the background - View to the East

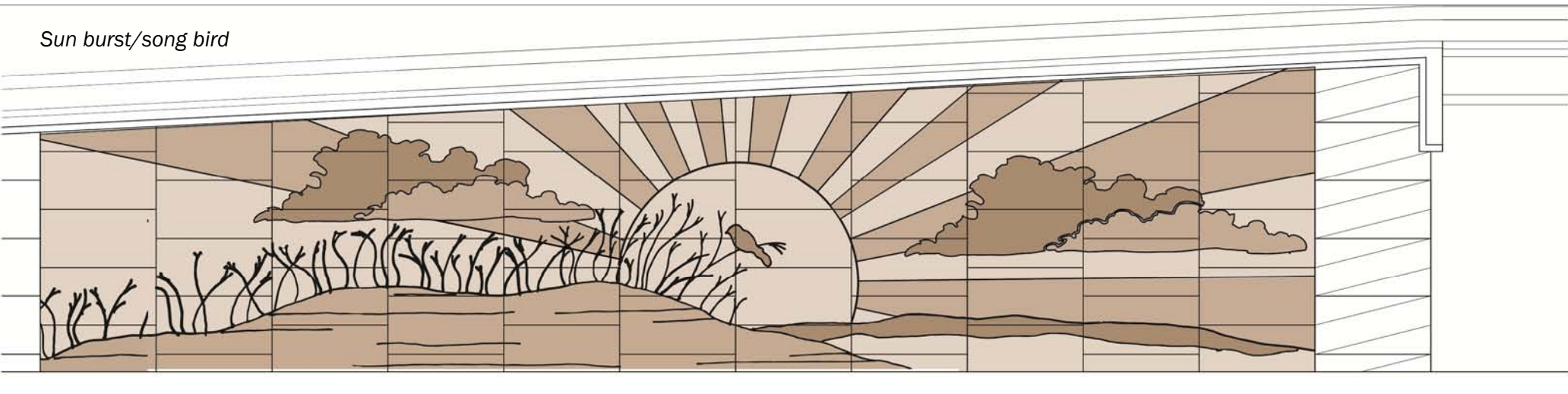




# Parks Character Zone – East Corporate Drive

## Character Sketches

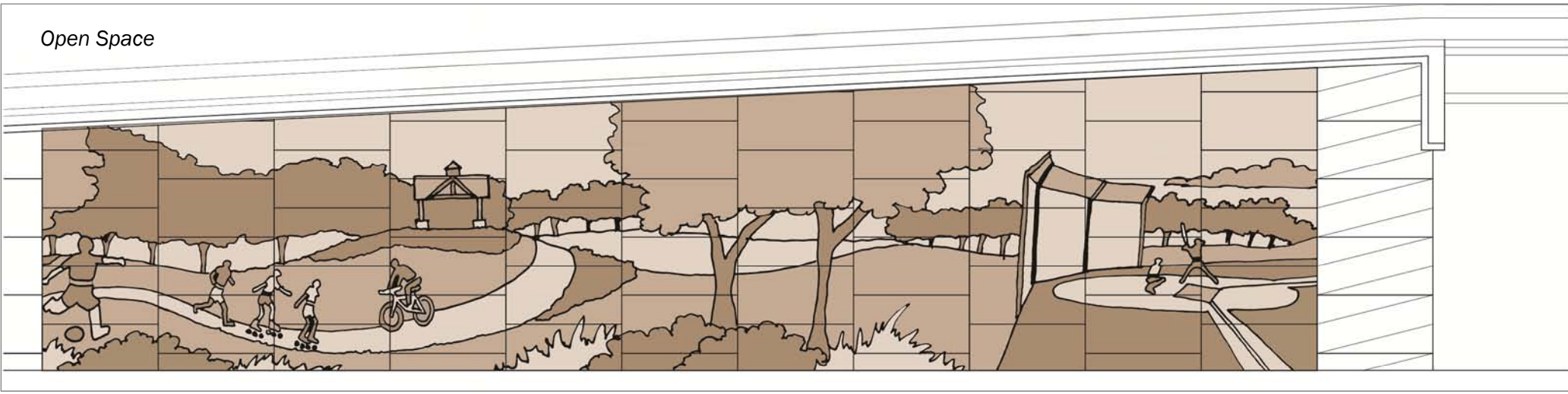
Community graphics will be located on the walls of the collector /distributor ramps south of the Hebron interchange. It is anticipated that 4 wall surfaces would receive graphic treatment. It is proposed to locate graphics at one location along each of the north and south frontage roads and the one location along each of the north bound and south bound main lanes. The following elevation views indicates the graphic content to be used in these locations. One graphic will be used twice. These graphics are conceptual and as such must be refined during final design to fit final wall locations as approved by TxDOT and graphic content per direction of the City of Lewisville. The graphics are to be integral to the pre-cast concrete wall panels with a minimum of three layers of relief and painted with three shades of a tinted opaque sealer. See Appendix A-2 for potential locations of wall graphics



*Use on East side of north bound direct connector adjacent to east frontage road.*

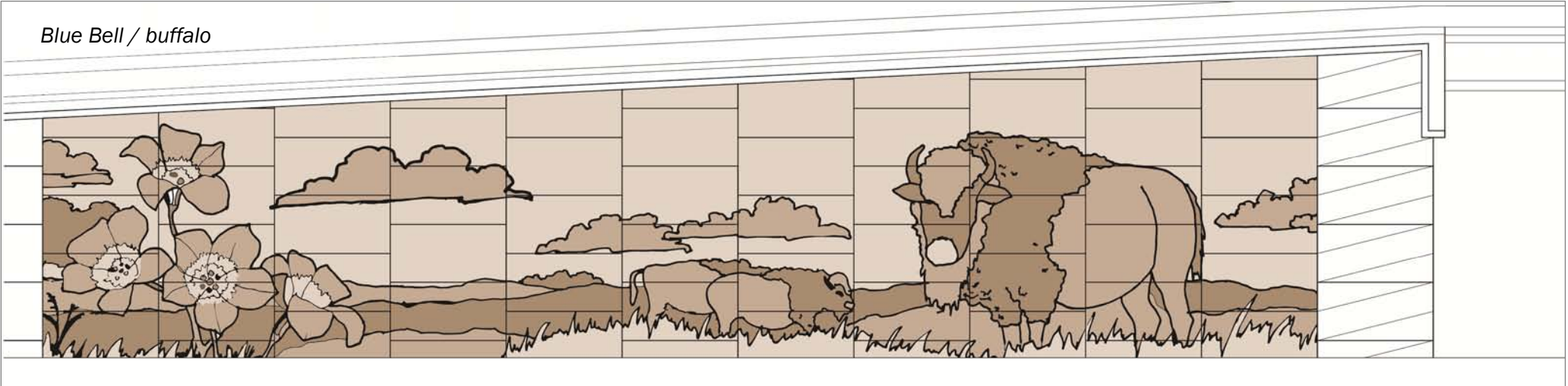
*Use on West side of south bound direct connector adjacent to west frontage road.*

1



*Use on East side of south bound direct connector adjacent to south bound main lanes*

2



*Use on West side of north bound direct connector adjacent to north bound main lanes*

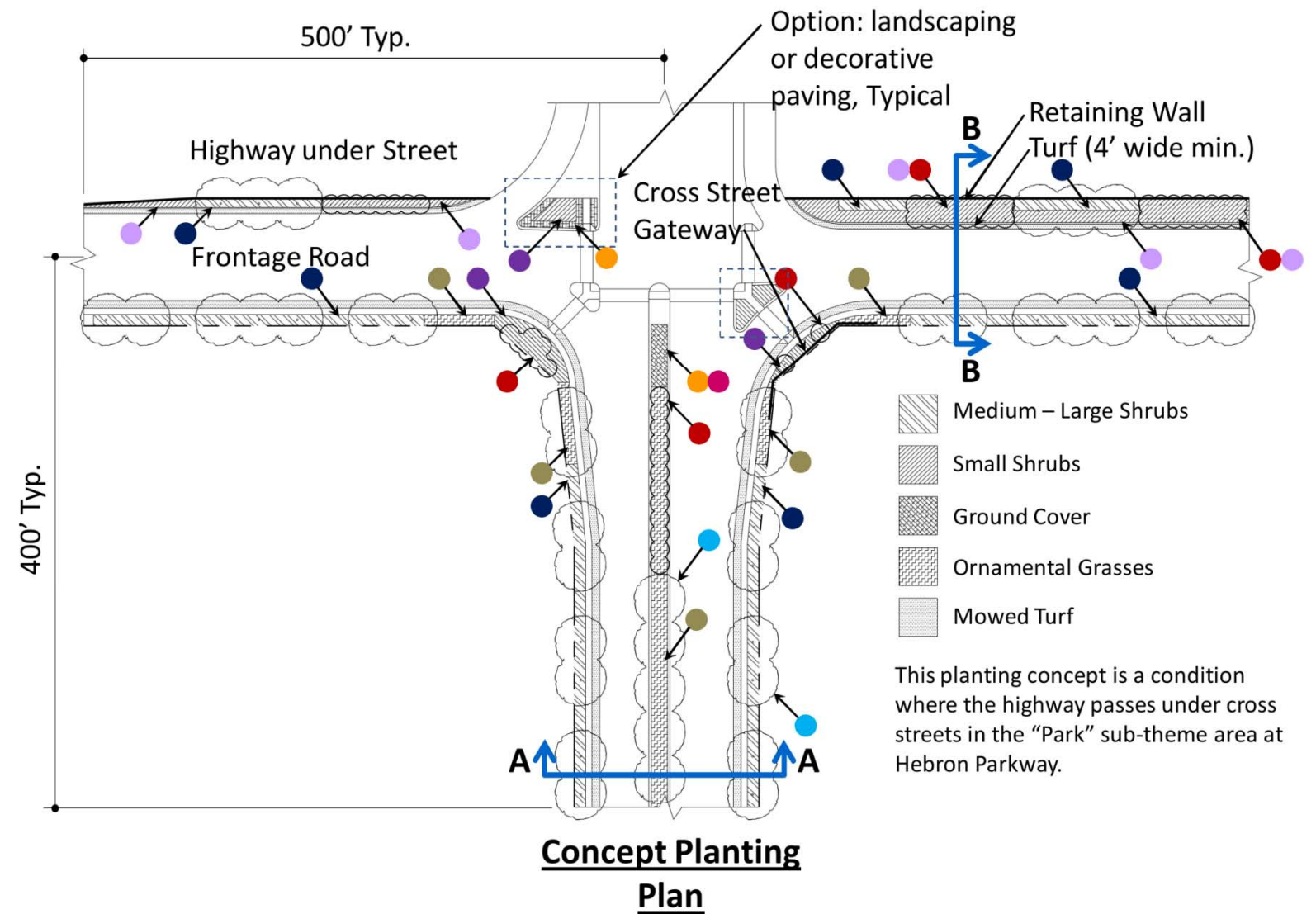
3



# Parks Character Zone – Planting Concepts Cross Street Overpass

The following general principles will be used to develop the planting concepts for this area.

- Sustainable native landscape approach with less intensive (semi-annual) maintenance requirements.
- Native north central Texas species appropriate to park aesthetic that provide multi-seasonal interest.
- Mass plantings of shrubs and ornamental grasses.
- Large native shade trees line frontage road and are clustered in naturalized groups along creek banks
- Native ornamental trees at focus areas (medians and intersection rounding's)
- Masses of native grasses in front of wall graphics to add context to graphics.

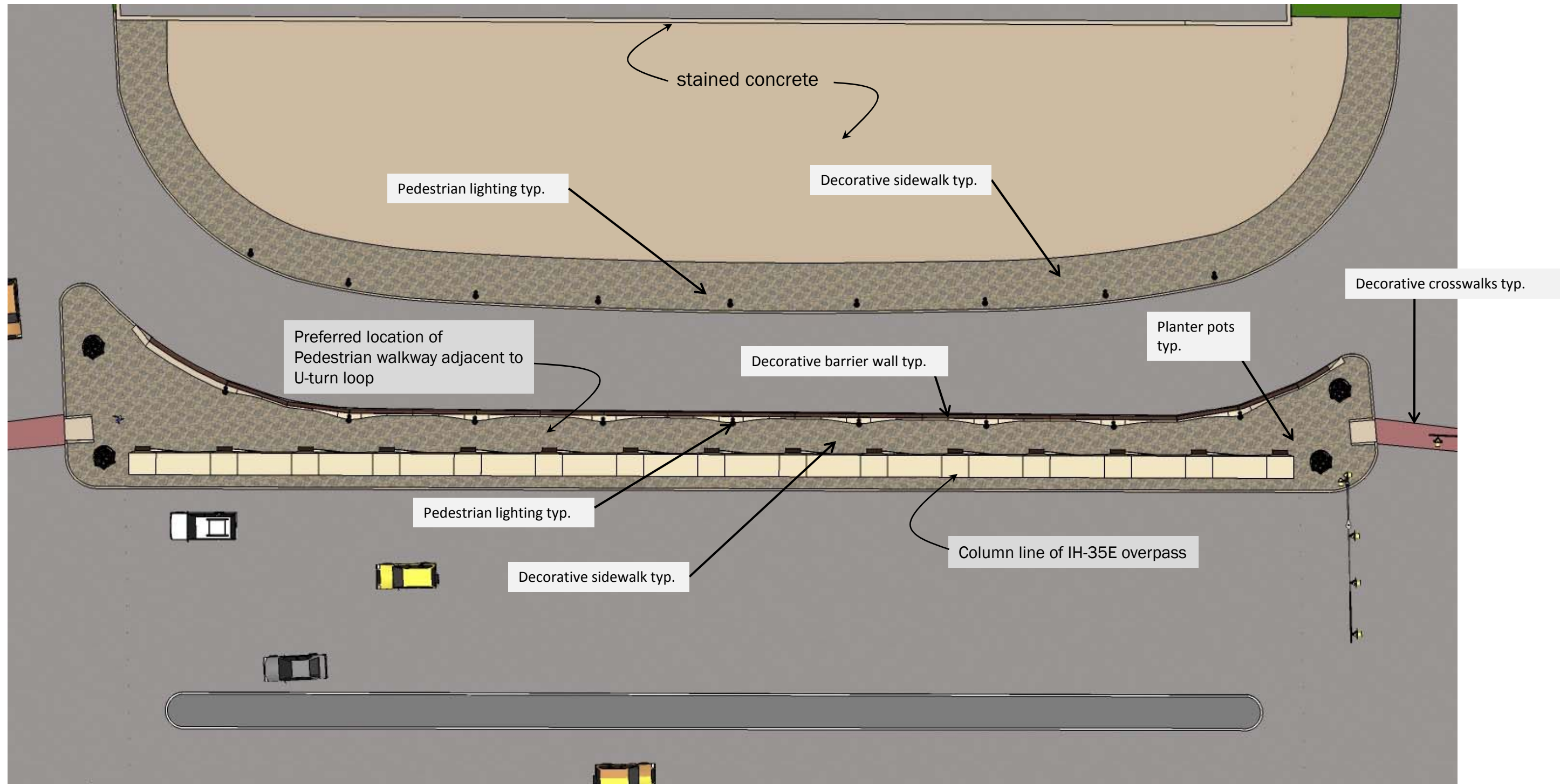




# Parks Character Zone – East Corporate Drive

## Plan Layout

The following plan provides a general illustration of how the various elements of the Parks Character zone are intended to be used at East Corporate Dr. The deck of IH-35E main lane overpass has been omitted for clarity. . These improvements are shown for one half of the interchange and are to be repeated on the other half as well.





# Parks Character Zone – East Corporate Drive

## Character Sketch

The following sketch provide general illustration of how the various elements of the Parks Character zone are intended to be used at East Corporate Parkway. The IH-35E bridge deck is removed for ease of viewing improvements.

Note: brick panels above and below green glazed tile panels are to be used on vertical abutment faces where they occur at cross street underpass locations. The City of Lewisville will require input into the selection of accent materials associated with these abutment wall treatments.





## Bridge Abutment Wall Treatment

### Overview

This section describes the treatment desired on the face of bridge abutment walls located under IH-35E overpass of local cross streets including, East Corporate Dr., Business 121, Lake Park/FM407 and N. Garden Ridge Blvd. The use of abutment treatment is not desired at Fox and W. Valley Ridge Blvd. locations. This treatment does not relate to abutment faces of IH-35E underpass locations.

In many cases these abutment walls may be vertical and in some locations they may be sloped face abutments. In the case of the sloped face abutment there may be limitations to the amount of surface treatment possible as the height of the abutment face walls might be 4' or less in height. The lower wall heights and the limited impact of treating these surfaces may not warrant the expense. As of this date, the exact location and height of the sloped abutment wall has not been determined, therefore the final developer will need to explore the alternative of using the embellished materials and discuss with the city the feasibility and cost associated with these treatments.

### Intent

The purpose of the abutment wall treatment is to provide the City of Lewisville ability to introduce elements of community identity into the face of the abutment walls. The primary community identifying materials are brick, ceramic tile and simulated cut stone.

### Direction

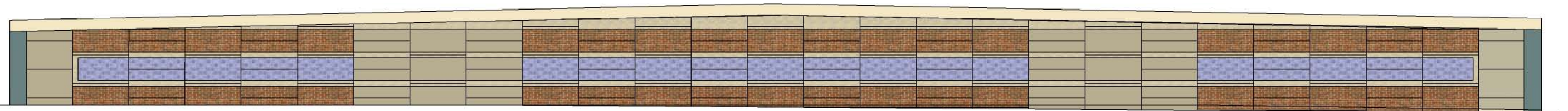
The introduction of the above three materials into the surface of the abutment walls relates directly to the design themes in each of the three visual zones. The implementation of this concept is to be achieved using real masonry and ceramic materials within the standard precast concrete MSE wall panels. Special form liner materials are used which contain thin brick and tile veneer materials allowing them to be cast into the panel surface in one process. This form work technology has been used for decades in the architectural construction industry and is well suited to MSE wall panel fabrication.

The general concept includes the use of multiple panels of brick veneers with an accent panel of ceramic tile that relates to the color scheme for the zone. Additional panels of stone finished form liners provide additional organization to the overall wall abutment wall. As of this writing the City of Lewisville has approved in concept the abutment wall treatment concepts however the final selection of brick and tile materials will need to be conducted as a part of the final design process. The intent of the use of the masonry materials is to match the color and character of the brick and stone found on the city hall. The accent feature within the brick panels includes the ceramic tile element. The following palette has been developed for the three visual zones. Brick and accent materials are cast into standard wall panels during casting process. The image below illustrates the Lake Character Zone and the blue accent color is used only at the corner of the wall.

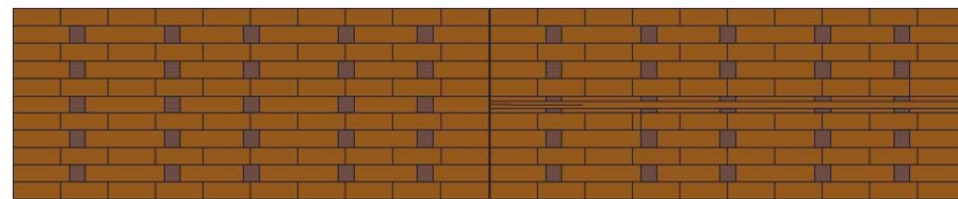
Parks: green tile.

Old Town: violet tile

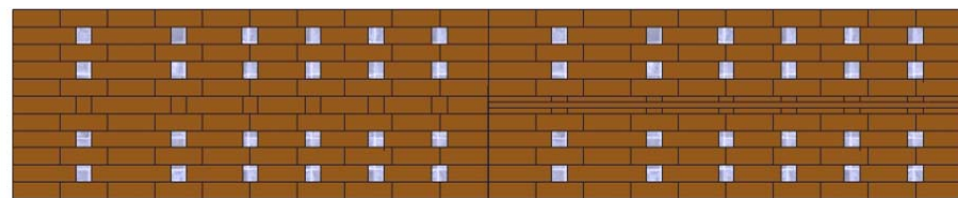
Lakes: Blue tile



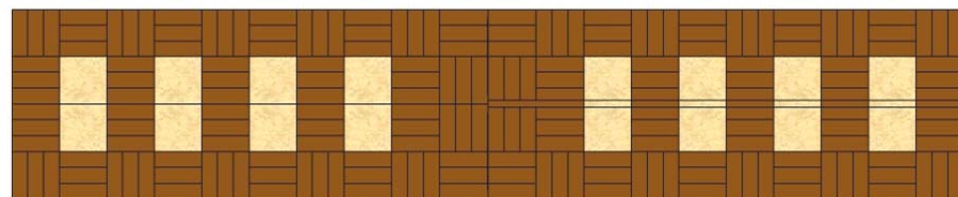
Elevation View of typical abutment wall w/ Lewisville treatment



RED BRICK FIELD WITH CONTRASTING DARK ACCENT BRICK USING MODIFIED FLEMISH BOND PATTERN



RED BRICK FIELD WITH CONTRASTING GLAZED ACCENT BRICK USING MODIFIED FLEMISH BOND PATTERN



RED BRICK BASKET WEAVE FIELD WITH CONTRASTING CHISELED STONE FORM LINER 1'X2' CONCRETE SURFACE ACCENTS

THE ABOVE ARE ALTERNATIVE DECORATIVE PANEL PATTERNS UNDER CONSIDERATION FOR USE IN PLACE OF GLAZED TILE AS INDICATED ON ELEVATION VIEW ABOVE. CITY OF LEWISVILLE TO MAKE DETERMINATION ON FINAL PATTERNS AND MATERIALS .



# Parks Character Zone – East Corporate Drive

## Character Sketch

The following sketch provide general illustration of how the various elements of the Parks Character zone are intended to be used at East Corporate Parkway. View looking west





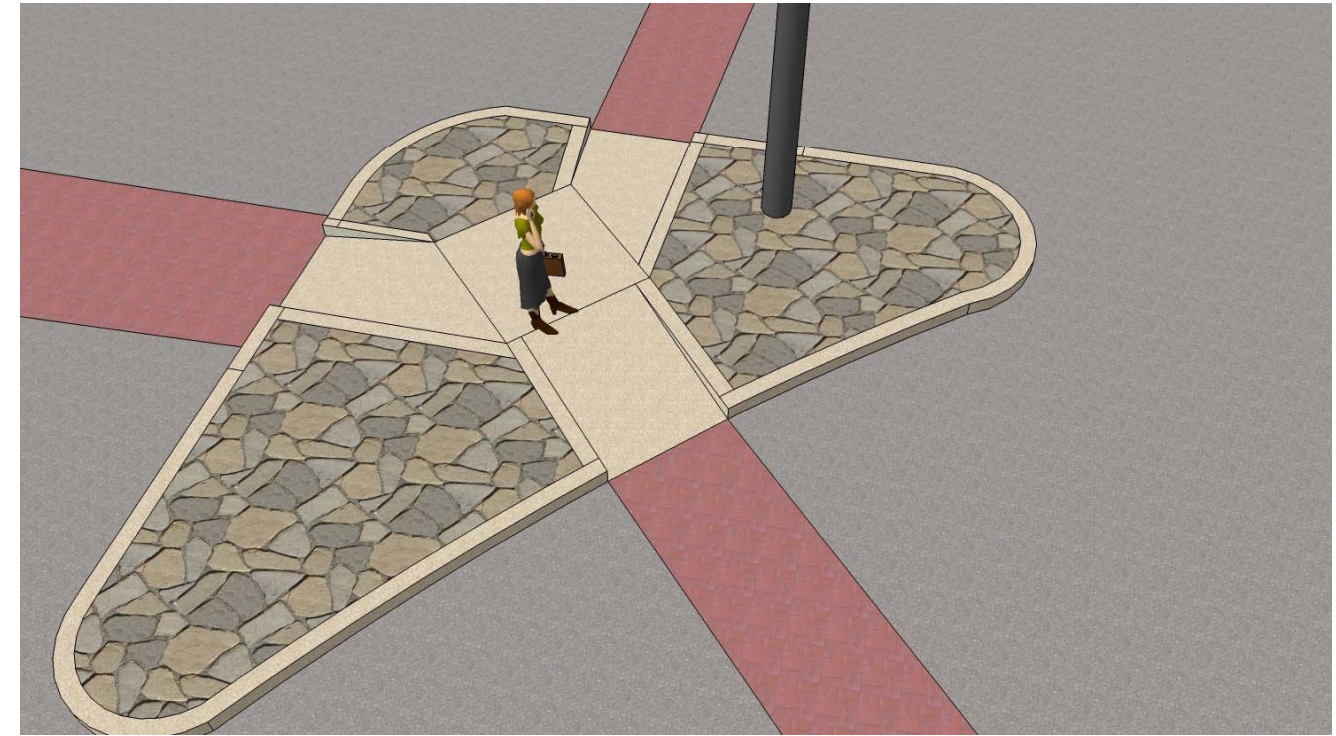
# Parks Character Zone – East Corporate Drive

## Character Sketches

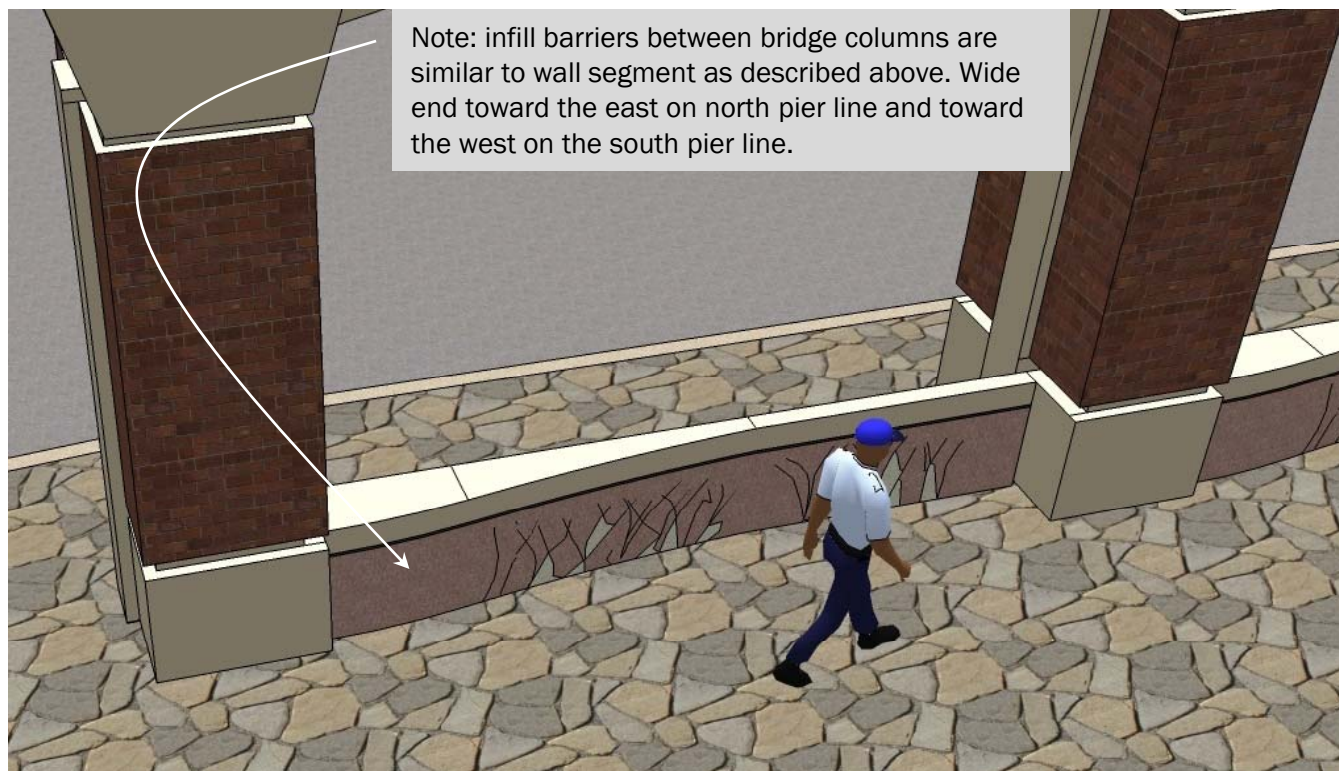
The following sketches provide general illustration of how the various elements of the Parks Character zone are intended to be used at East Corporate Parkway.



View along walkway



Decorative paving in traffic control islands where too small to provide landscape



View of infill barrier between columns



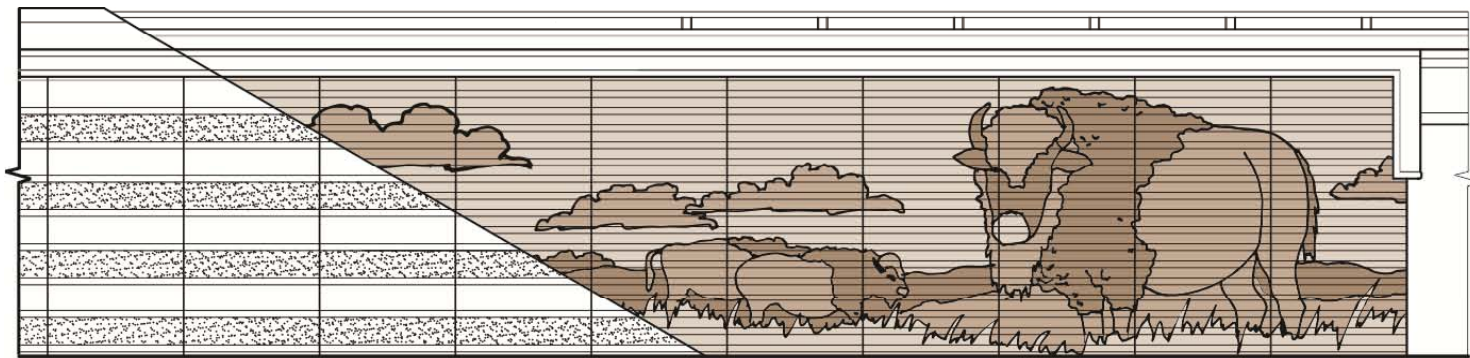
Landscape in Median surround banner stanchions



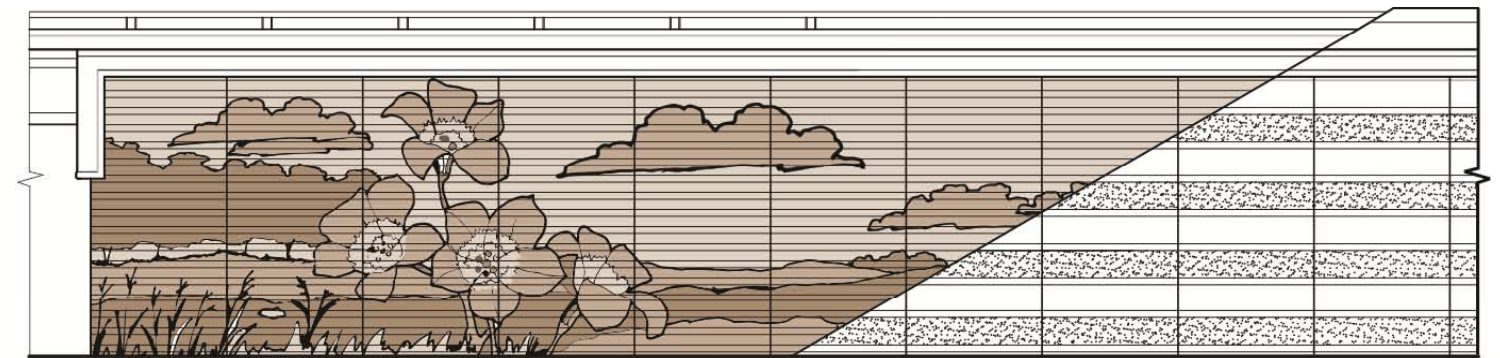
# Parks Character Zone – East Corporate Drive

## Character Sketches

Community graphics will be located on the wing walls adjacent to the abutment on East Corporate Drive. The graphics will be developed further by the final design team to match the implementation approach taken for the entire corridor. The following elevation views indicates where each graphic will be located. These graphics are conceptual and as such must be refined during final design to fit final wall locations as approved by TxDOT and graphic content per direction of the City of Lewisville. It is intended that the graphic be integral to the pre-cast concrete wall panel with a minimum of three layers of relief from the wall face and then finished with tinted opaque sealer using a monochromatic color scheme of three shades against the standard TxDOT wall panel color to create the desired graphic effect. See appendix A-2 for plan location of wall graphics.

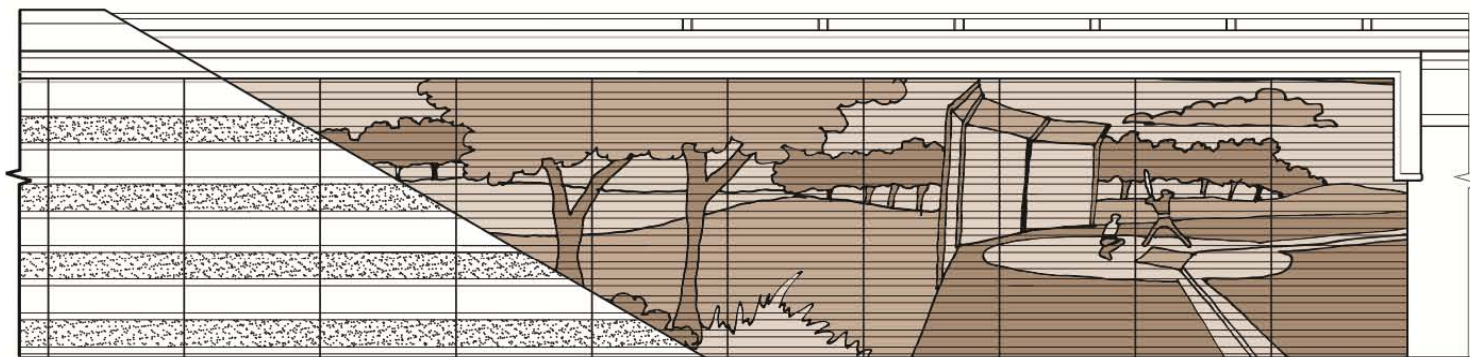


4

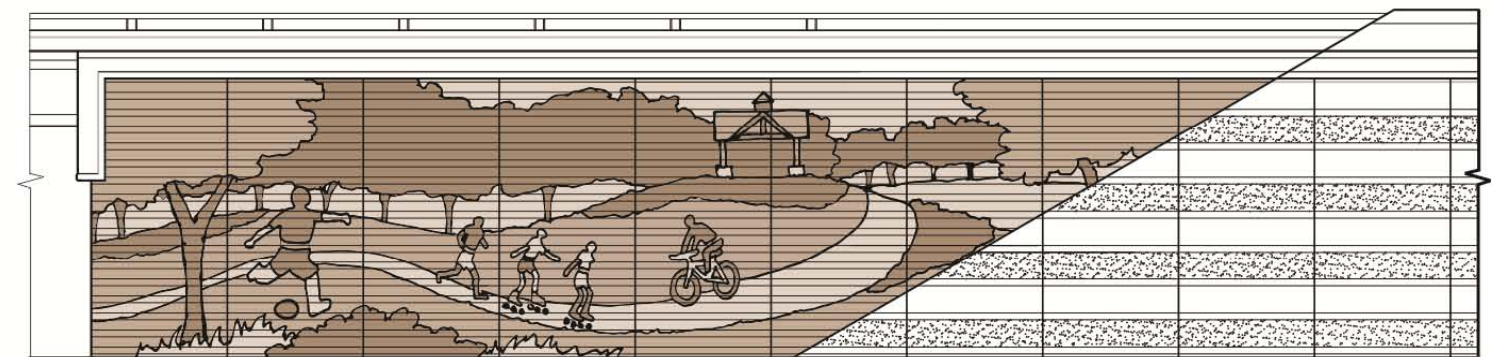


5

South (left) and North (right) elevation view of IH-35E overpass wing walls at Corporate Drive, East side of IH-35E



6



7

North (left) and South (right) elevation of IH-35E overpass wing walls at Corporate Drive, West side of IH-35E



# Parks Character Zone – Planting Concepts Cross Street Overpass

The following general principles will be used to develop the planting concepts for this area.

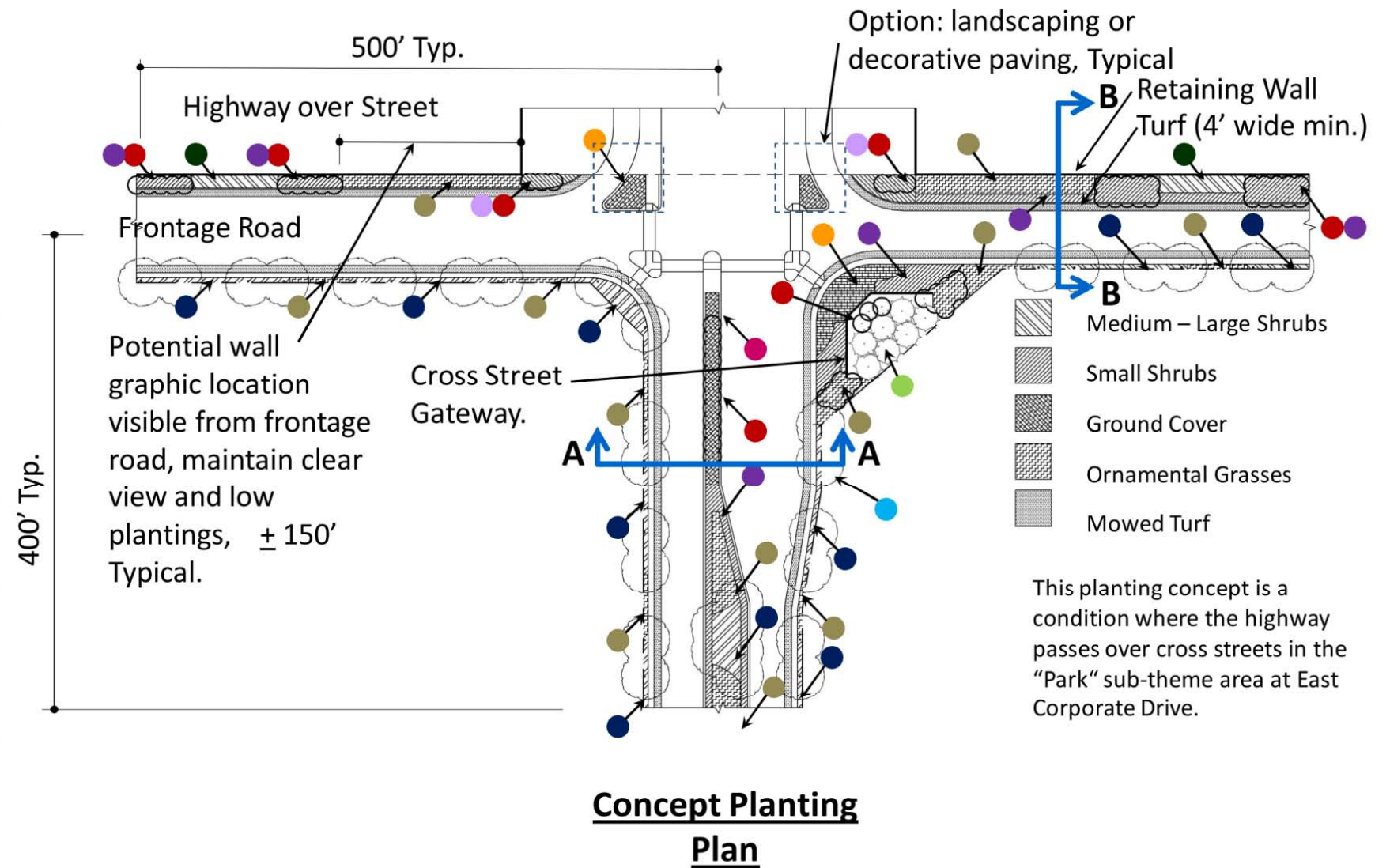
- Sustainable native landscape approach with less intensive (semi-annual) maintenance requirements.
- Native north central Texas species appropriate to park aesthetic that provide multi-seasonal interest.
- Mass plantings of shrubs and ornamental grasses.
- Large native shade trees line frontage road and are clustered in naturalized groups along creek banks
- Native ornamental trees at focus areas (medians and intersection rounding's)
- Masses of native grasses in front of wall graphics to add context to graphics.



Section A-A



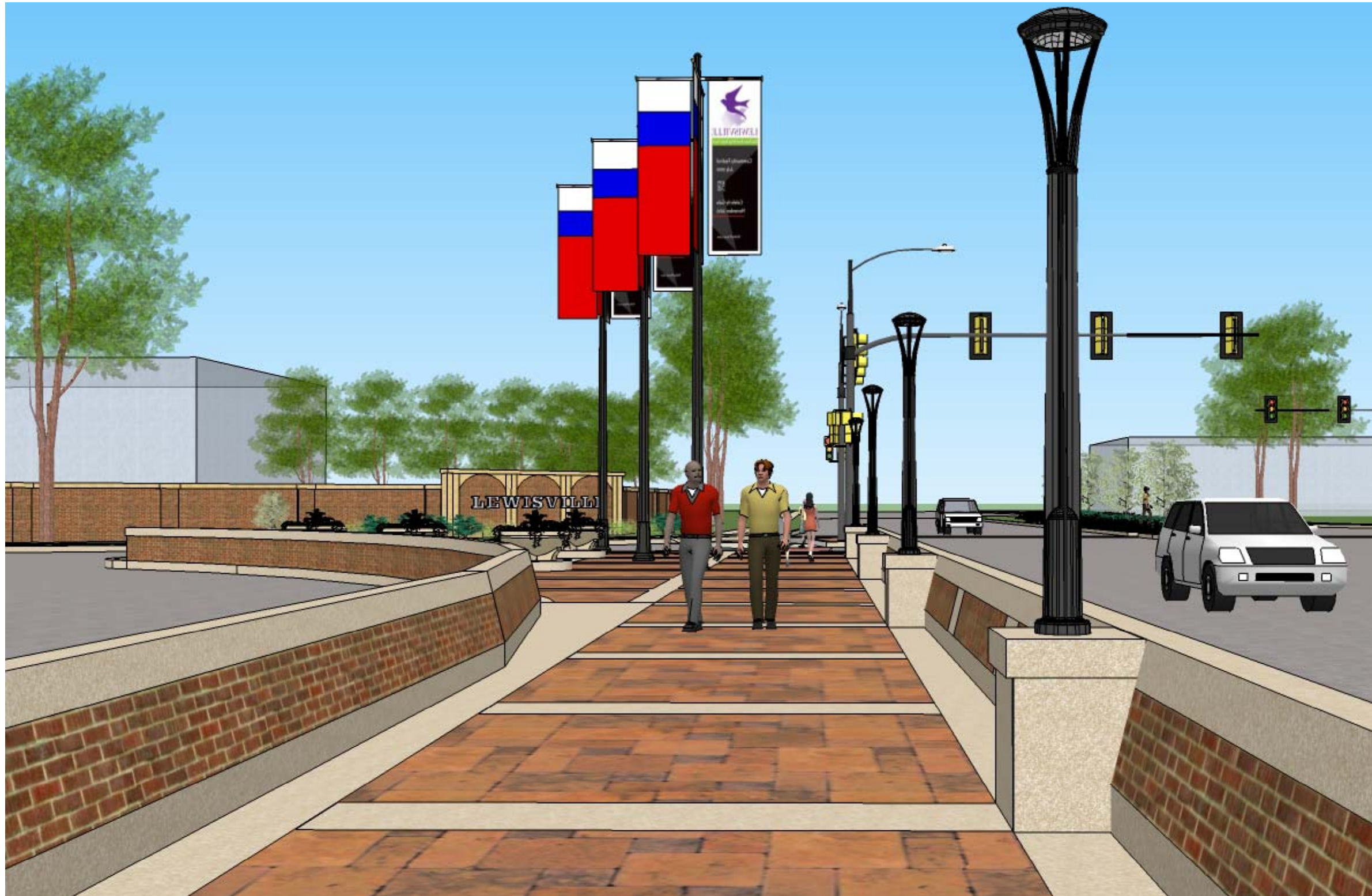
Section B-B



**Concept Planting Plan**

This planting concept is a condition where the highway passes over cross streets in the "Park" sub-theme area at East Corporate Drive.





**OLD TOWN CHARACTER ZONE**

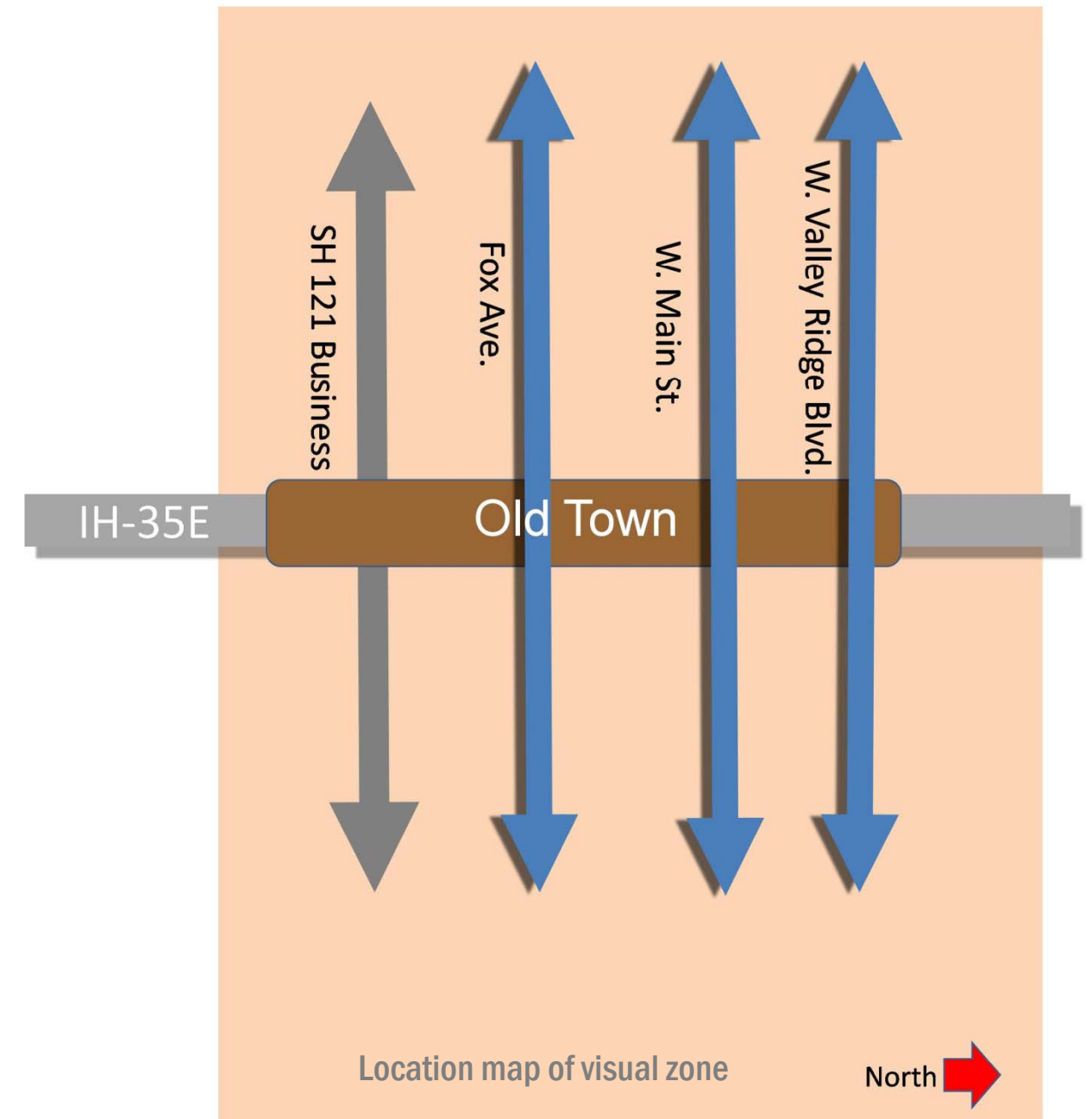


# Old Town Character Zone

The limits of the Old Town character zone extends from north of the East Corporate Dr. interchange to just the beyond the West Valley Ridge Blvd. interchange. The zone includes the Business SH-121, (IH-35E overpass) and Fox Ave., West Main St., and West Valley Ridge Blvd. (IH-35E underpass) interchanges.

## Visual Character Description

The Development of the Old Town Character Zone is accomplished by incorporating forms and patterns inspired by the formality and materials found in the architecture of Old Town Lewisville. This formality is further articulated by using the principle urban materials of the Old Town such as brick, cut stone and ornamental iron in the design. Further reinforcement of the inspiration includes the capture of images from the commercial activities, early examples of transportation such as cars and trains and the regions agricultural heritage. These elements will be used as the inspiration for the proposed enhancements to walkway paving, retaining walls, pedestrian barriers and other streetscape elements.





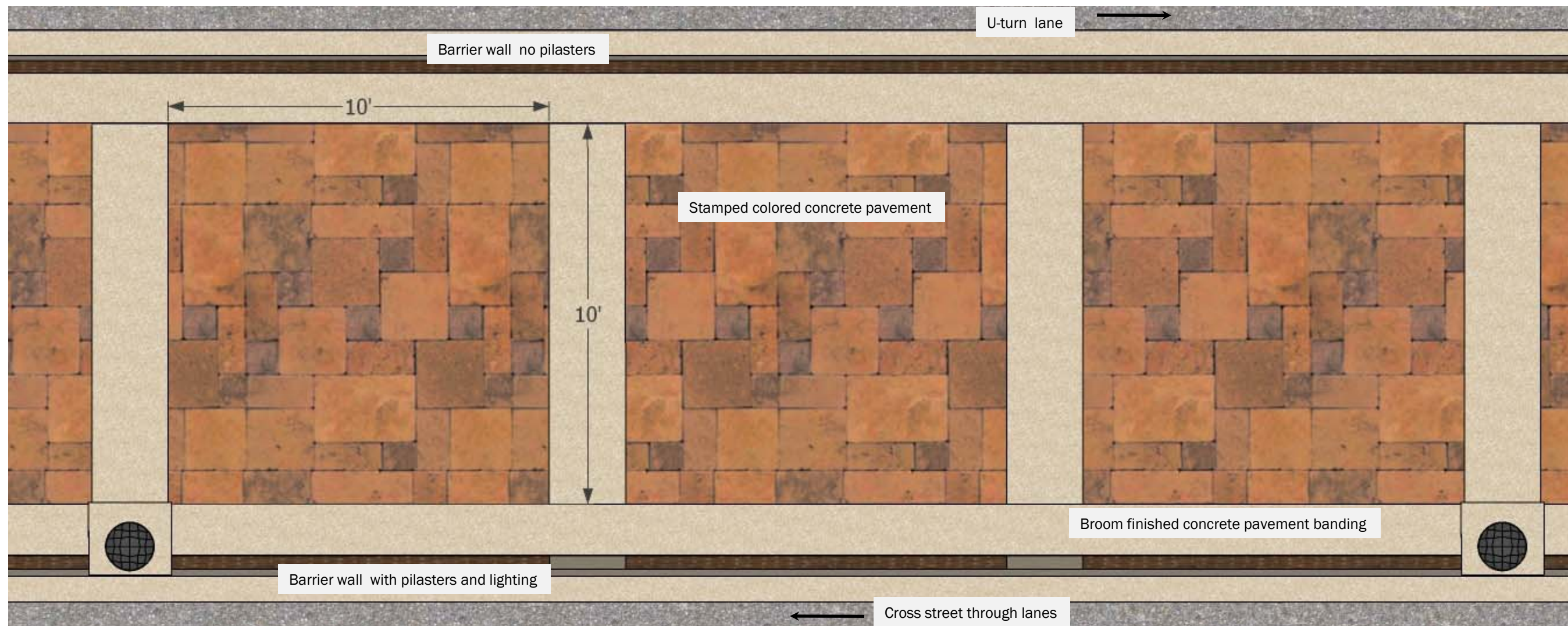
# Old Town Character Zone

## Design Elements

### Pedestrian Paving

Paving of sidewalks in this character zone both over and under IH -35 E bridges will consist of a stamped and colored concrete pavement. The desired appearance is that of a flashed clay tile in square and rectangular shapes and in three colors tones. The joints between the tiles shall be clearly delineated as in a butt tight installation and all joints and surfaces shall meet all ADA and Texas accessibility requirements. The paving pattern will run perpendicular to the walk path and generally be symmetrical within the surrounding concrete frame. Expansion and crack control joints will be placed primarily between the edge of the stamped colored pavement and the surrounding concrete banding or along a joint line in the stamping pattern and shall run perpendicular to the walk. Pavement panels will vary depending upon the width of the walkway. The walkway width and placement of pedestrian barriers will need to be considered for each cross street location early in the process as this will affect overall bridge widths. Pedestrian barriers will either need to be held back 2' from face of curb or have impact attenuation integrated into the ends of the barriers facing oncoming traffic.

*Note: The barrier walls have a constant cross section including the pilasters as indicated. The pilasters will be used to support the pedestrian lighting as indicated. Lighting is located on the through lane side of walkway only.*



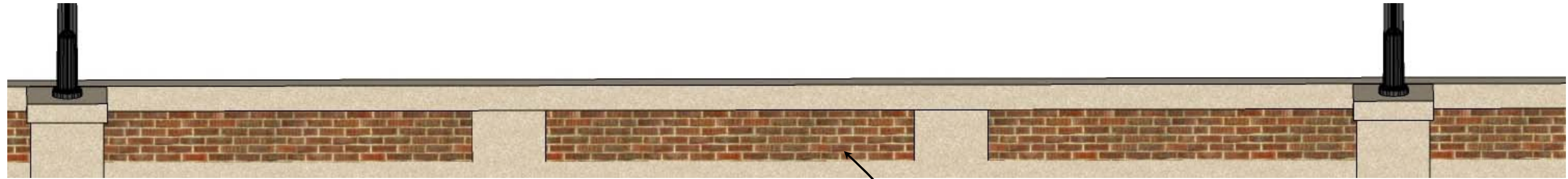
*Plan of pedestrian barriers and sidewalk paving.*



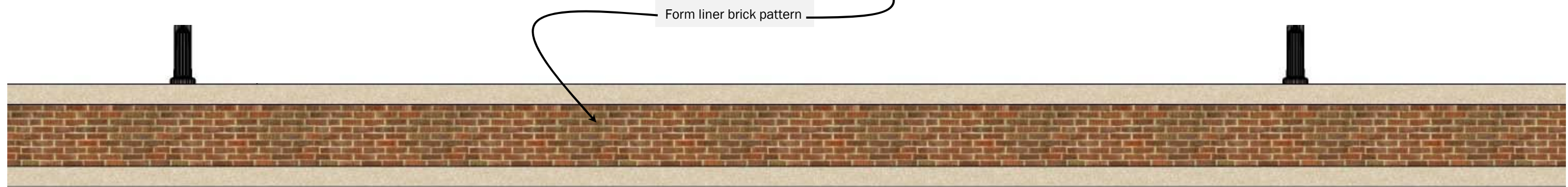
# Old Town Character Zone

## Pedestrian Barriers

The sidewalks under and over IH -35E at City of Lewisville cross streets will be defined by pedestrian barriers. These barriers will be modified from standard approved TxDOT barriers such that it will be of sufficient size and mass to support the proposed pedestrian lighting. In this zone the wall section has a sloped inner (pedestrian) face and a vertical exterior (roadway) face. The interior face is punctuated with lamp pilasters and solid panel elements which are aligned with the banding on the adjacent sidewalk. The spacing of the pilasters will vary based upon walkway width and bridge column spacing. The general spacing between lamp fixtures is approximately 30 feet. The interior and exterior face are to have a standard brick pattern embossed into the surface with form liners. The brick shall include a mortar color and surface brick color to match that found on the Lewisville City Hall. An alternative method for creating the brick is to use thin brick sets in the form liner. In this approach no painting is required on the brick or mortar as they are integral to the wall construction. The exact location of the wall along the drive lanes may be adjusted to provide the required clear zone in lieu of protecting the end of the wall with an impact attenuator.



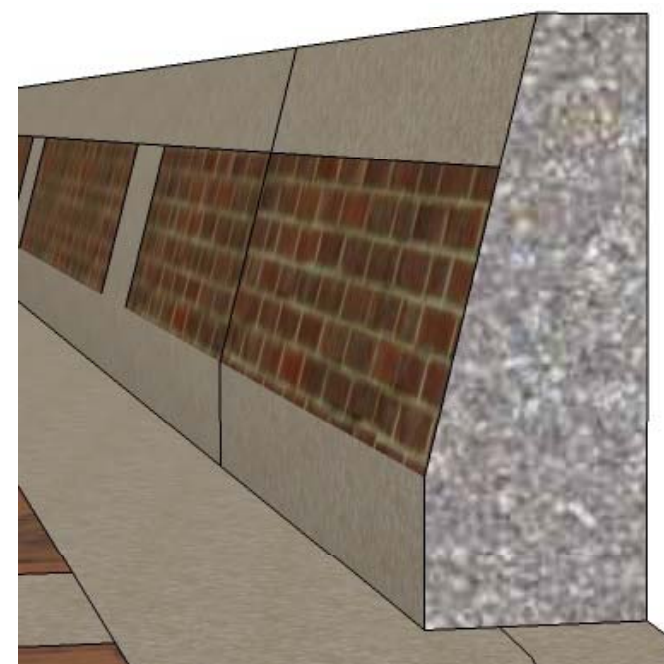
Inside elevation view of pedestrian barrier.



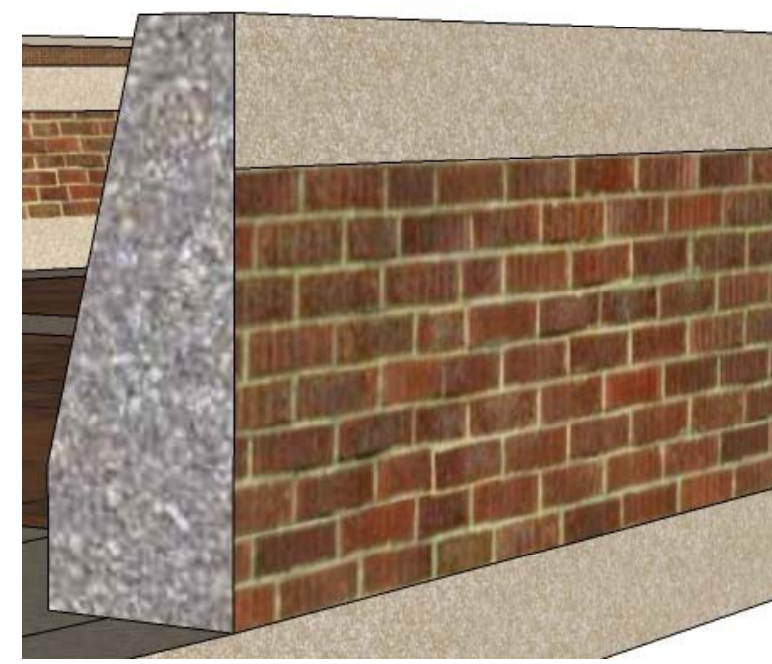
Outside elevation view of pedestrian barrier.



Isometric view of walkway with lamp pilaster



Isometric view of walkway side



Isometric view of roadway side



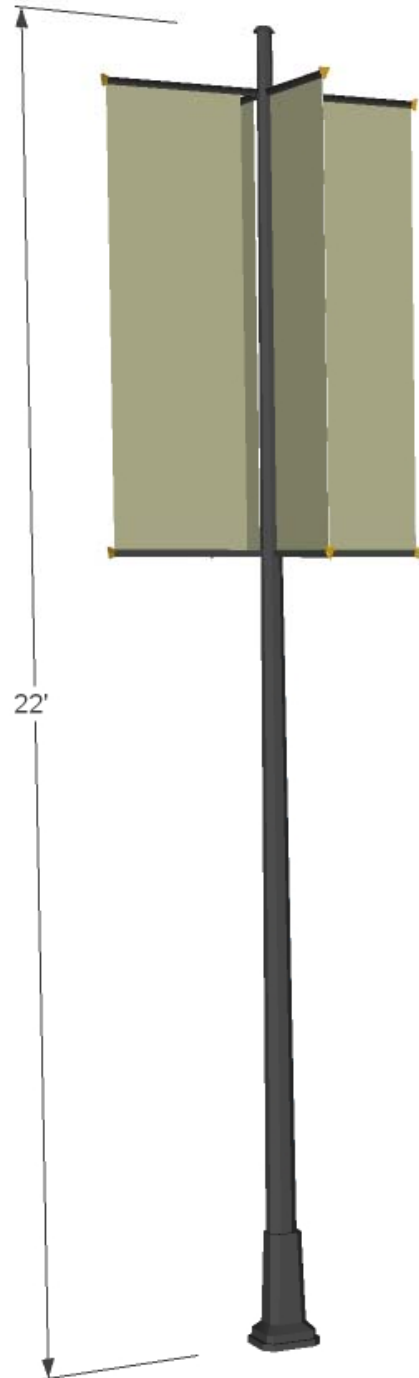
# Old Town Character Zone

## Streetscape Amenities

The use of additional streetscape amenities will complete the design for this character zone . The following elements will be used at Interchanges in the Old Town character zone.



*The Cross Street Gateway element is to be placed outside of the right-of way on City of Lewisville property. In locations where no such property can be provided, the Gateway will not be constructed. Panels top be constructed of materials similar to pedestrian barriers. See Appendix C for additional information on general gateway dimensions.*



*Banner stanchion with quad banners  
Black*



*12' tall Alcott pedestrian lighting fixture  
Black*



*8' tall informational sign  
Black*



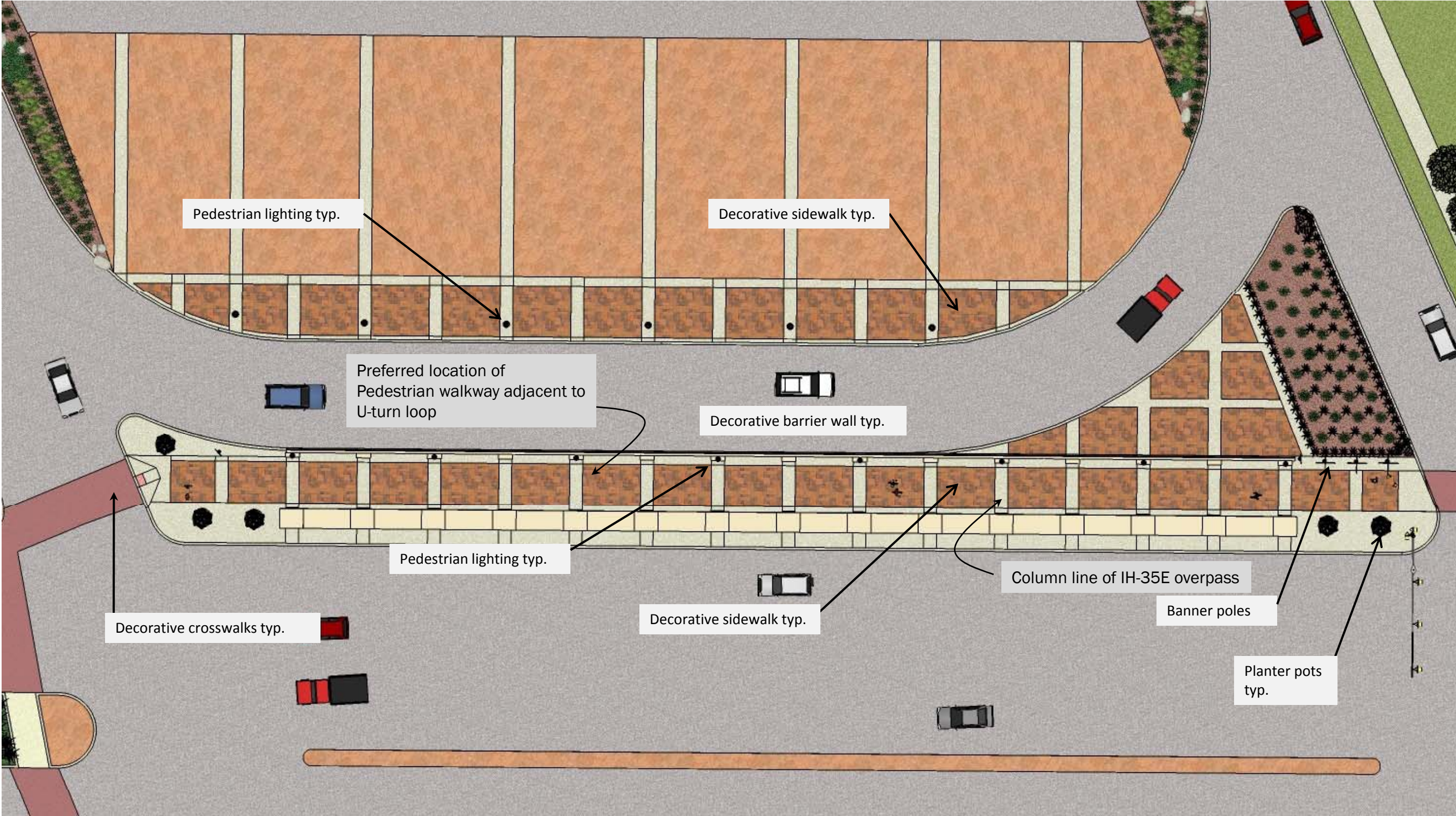
*5' diameter cast stone planter pot*



# Old Town Character Zone – Business SH 121 Underpass

## Schematic Plan Layout

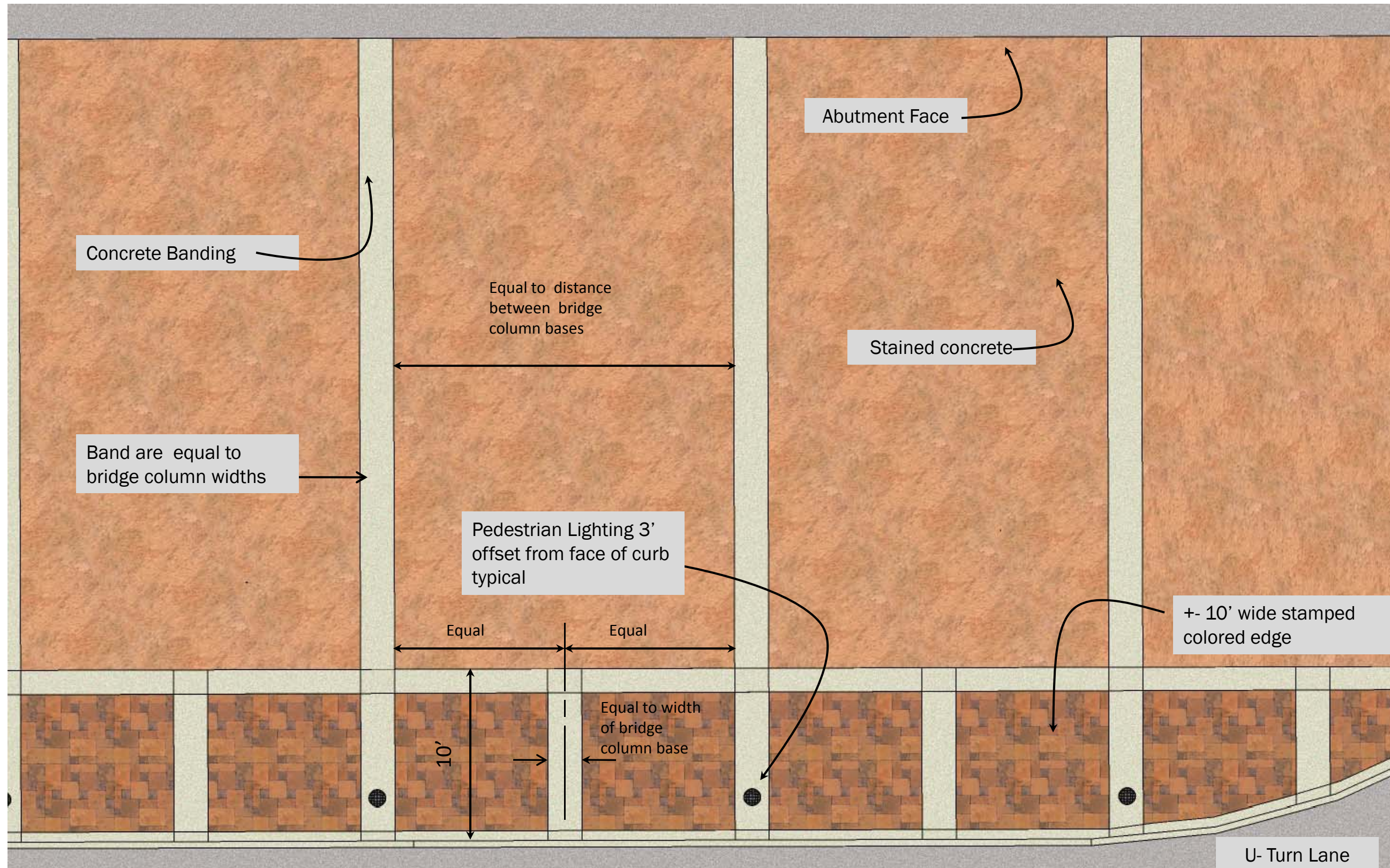
The following plan provides a general illustration of how the various elements of the Old Town Character zone are intended to be used at Business SH 121. IH-35E bridge deck is omitted for clarity. These improvements are shown for one half of the interchange and are to be repeated on the other half as well.





# Old Town Character Zone – Business SH- 121 Underpass

Partial Schematic Hardscape Plan beneath IH-35E

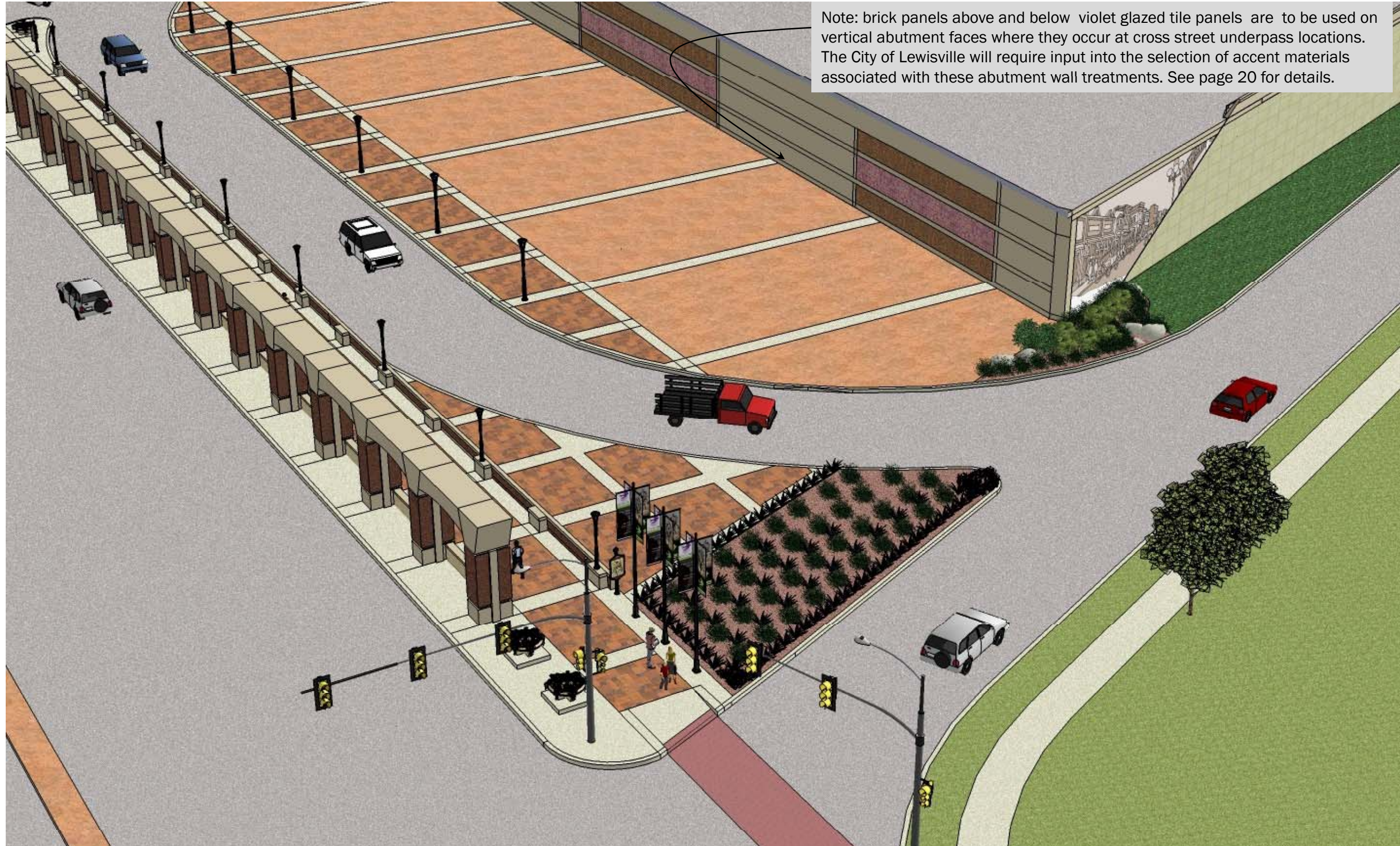




# Old Town Character Zone – Business SH- 121 Underpass

## Character Sketch

The following sketch illustrates the application of the Old Town design elements to the northeast end of the Business SH -121 interchange.





# Old Town Character Zone – Business SH- 121 Underpass

## Character Sketch

The following sketch illustrates application of the Old Town design elements to the east end of the Business SH -121 Interchange.





# Old Town Character Zone – Business SH- 121 Underpass

## Character Sketch

The following sketch illustrates the Old Town design scheme along the pedestrian walkway adjacent to U-turn at the Business SH -121 interchange.



Pilaster and pavement banding equal in width to base of bridge column



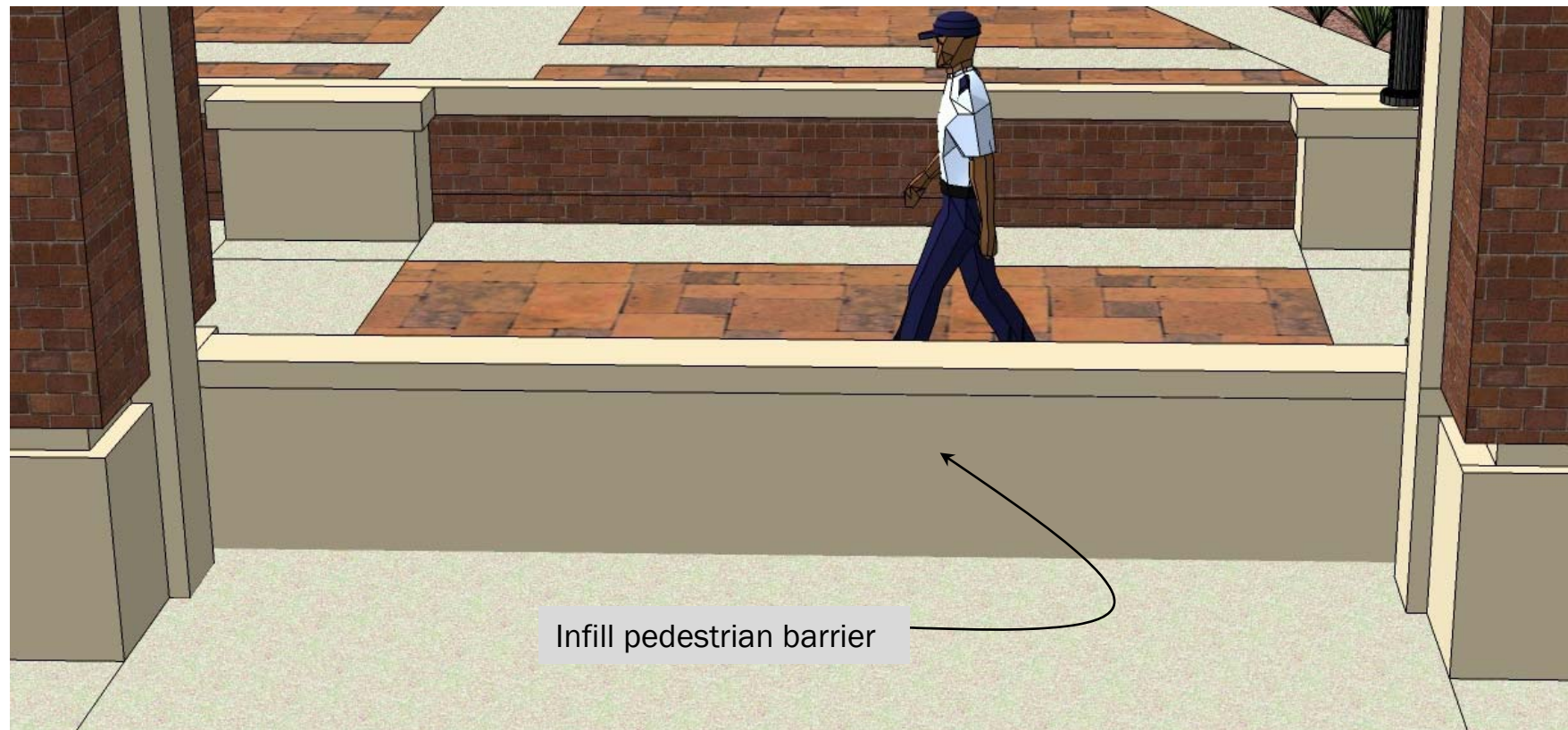
# Old Town Character Zone – Business SH- 121 Underpass

## Character Sketches

The following images illustrate the aesthetic treatment of the infill pedestrian barriers beneath IH-35E overpass bridges column lines for bridges within the Old Town character zone.



View of infill walls between column lines - brick texture and color - Walkway view



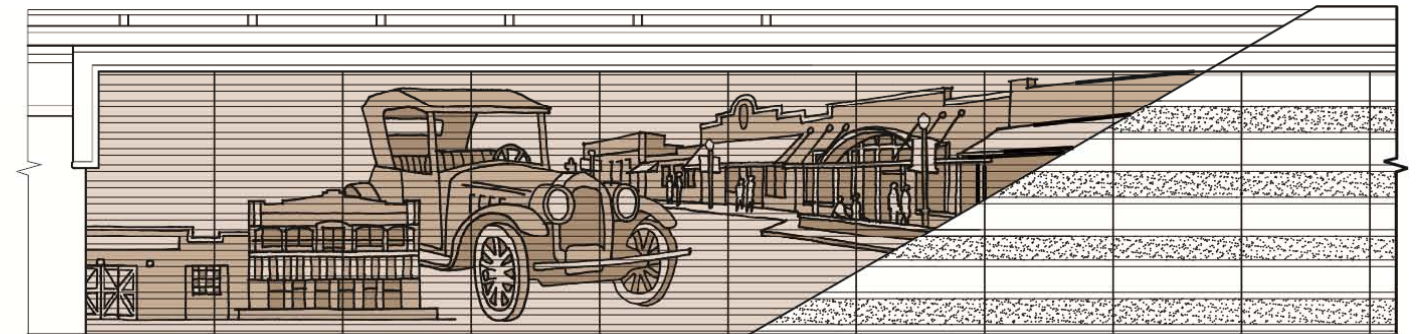
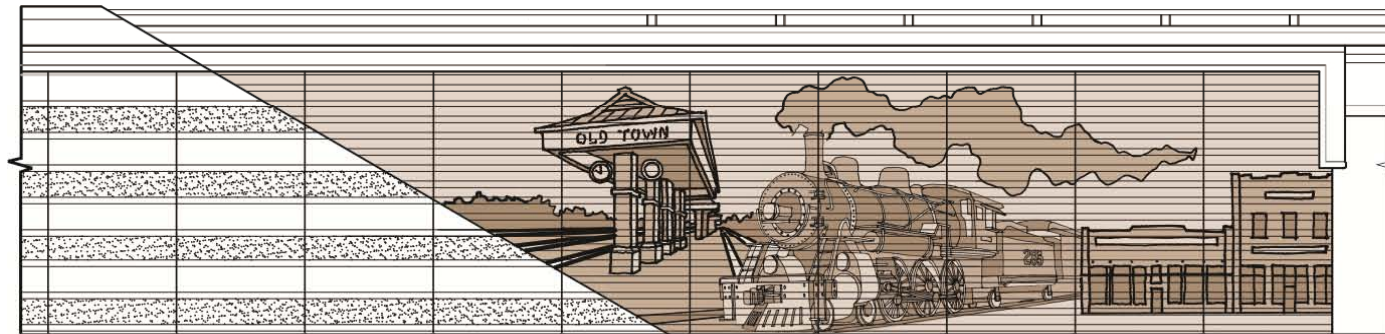
View of infill walls between column lines to match base treatment on bridge columns - Cross street view



# Old Town Character Zone – Business SH-121

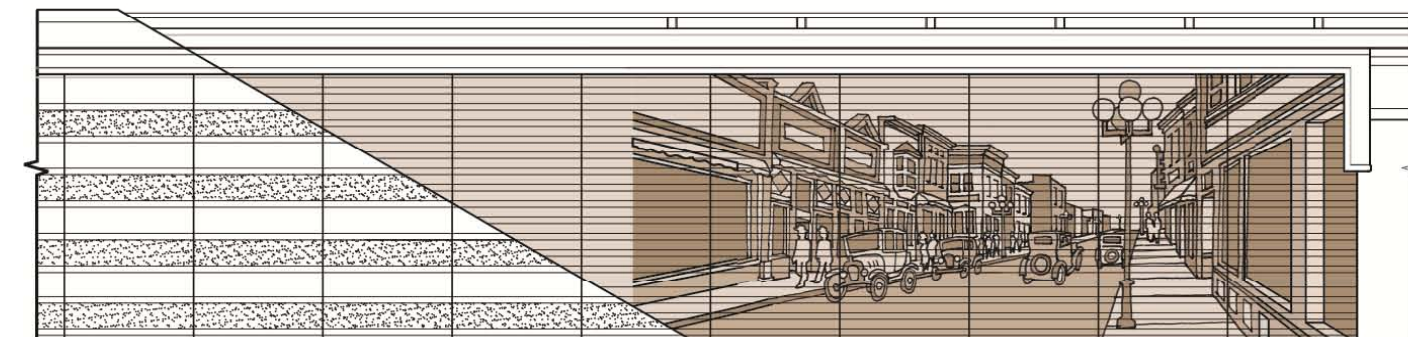
## Character Sketches

Contextual Community graphics will be located on the 4 wing walls adjacent to the bridge abutment at the Business SH-121 interchange. The illustrations below indicate the location and content of wall graphics to be placed at the Business SH-121 interchange. These graphics are conceptual and as such must be refined during final design to fit final wall locations as approved by TxDOT and graphic content per direction of the City of Lewisville. It is intended that the graphic be integral to the pre-cast concrete wall panel with a minimum of three layers of relief and then painted with tinted opaque sealer using a monochromatic color scheme of three shades against the standard TxDOT graphic panel color to create the desired graphic effect. See Appendix A-3 for wall graphic locations.

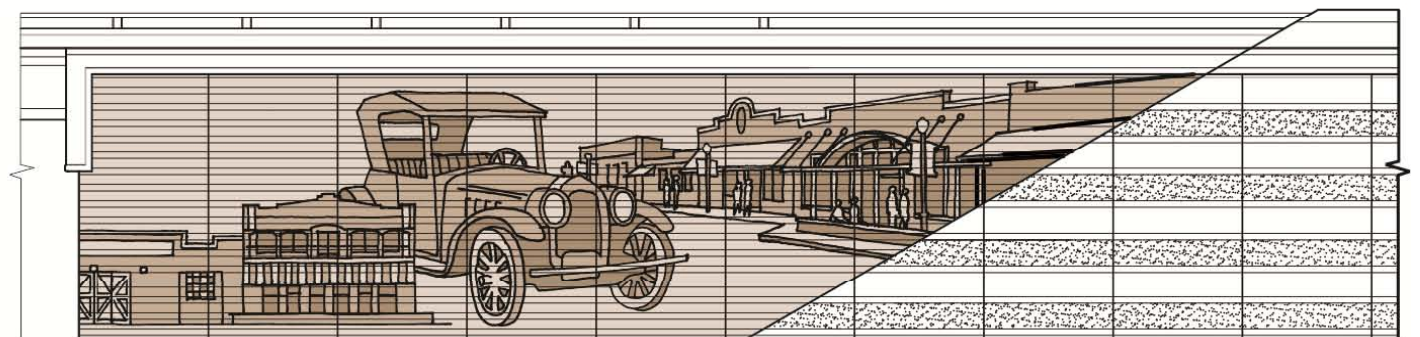


8 South (left) and North (right) elevation of IH-35E wing walls at Bus. 121, East Side of IH-35E

9



10 North (left) and South (right) elevation of IH-35E wing walls at Bus. 121, West Side of IH-35E



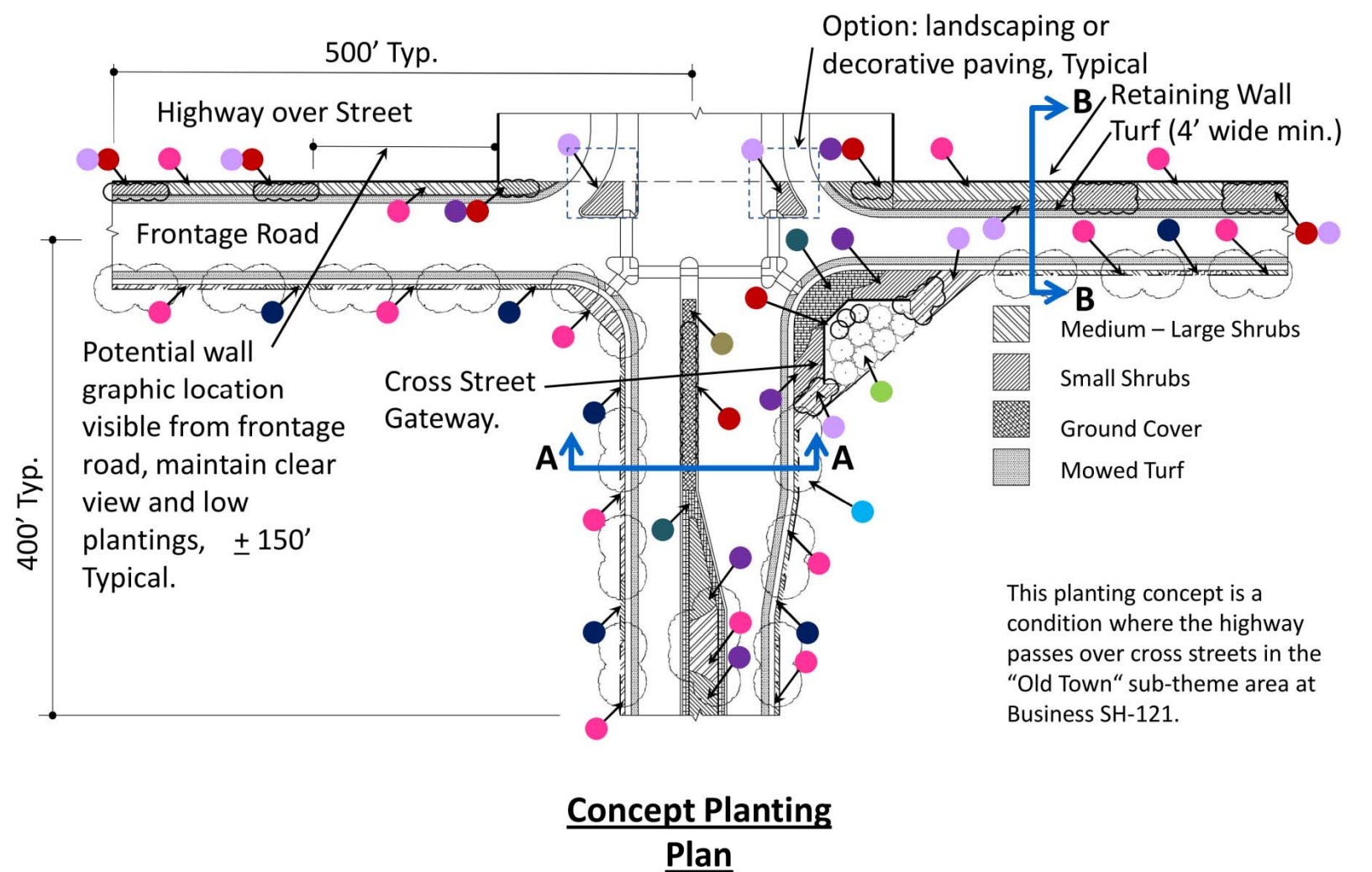
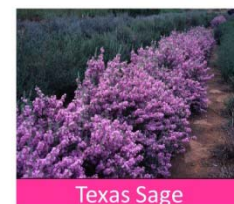
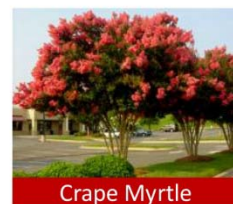
11



# Old Town Character Zone – Planting Concepts Business SH-121 Cross Street Underpass

The following general principles will be used to develop the planting concepts for this area.

- More formal landscape design with more intensive (seasonal) maintenance requirements.
- Ornamental flowering shrubs and trees
- Evergreen ground cover and shrubs provide year-round structure
- No ornamental grasses.
- Low (3'-4' tall) landscape walls (brick and cast stone) at Highway Fox Ave. and West Valley Ridge Blvd. underpass intersections to set off landscape and frame bridge.



This planting concept is a condition where the highway passes over cross streets in the "Old Town" sub-theme area at Business SH-121.



# Old Town Character Zone – Fox Ave. and West Valley Ridge Blvd.

## Character Sketch

Application of the Old Town design elements to the walkway including stamped and colored paving, pedestrian barriers and pedestrian lighting along typical overpass bridge for both interchanges - looking to the west



Application of the Old Town design elements to the walkway and barriers along Fox Ave.



# Old Town Character Zone – Fox Ave. and West Valley Ridge Blvd.

## Schematic Plan Layout

The following plan and provides a general illustration of application of the Old Town Character zone elements along both bridges





# Old Town Character Zone – Fox Ave. and West Valley Ridge Blvd.

## Character Sketch

The following illustrates application of the Old Town character elements ; pedestrian protection barrier along roadway, pedestrian lighting and decorative paving on walkway over bridges.



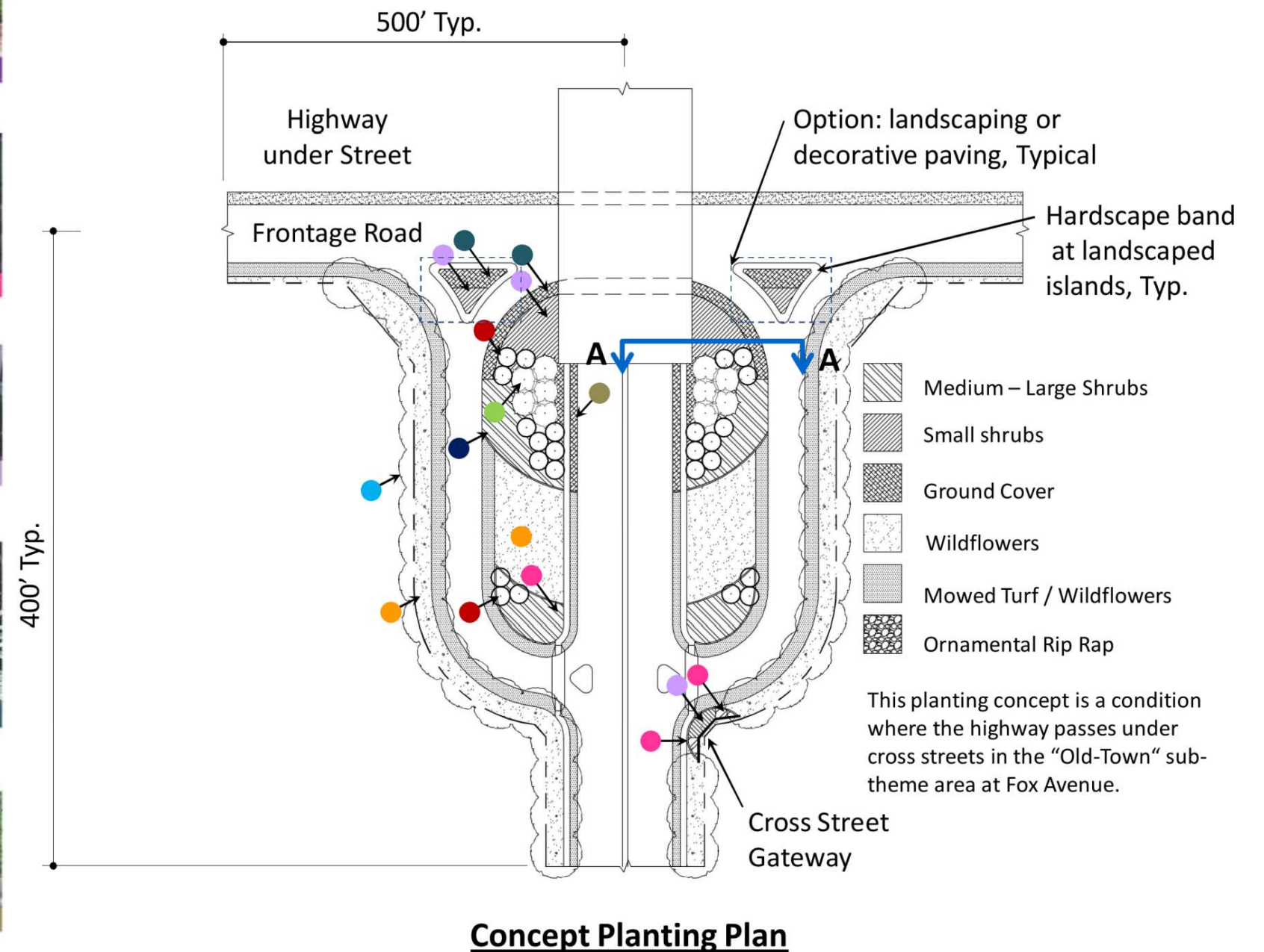
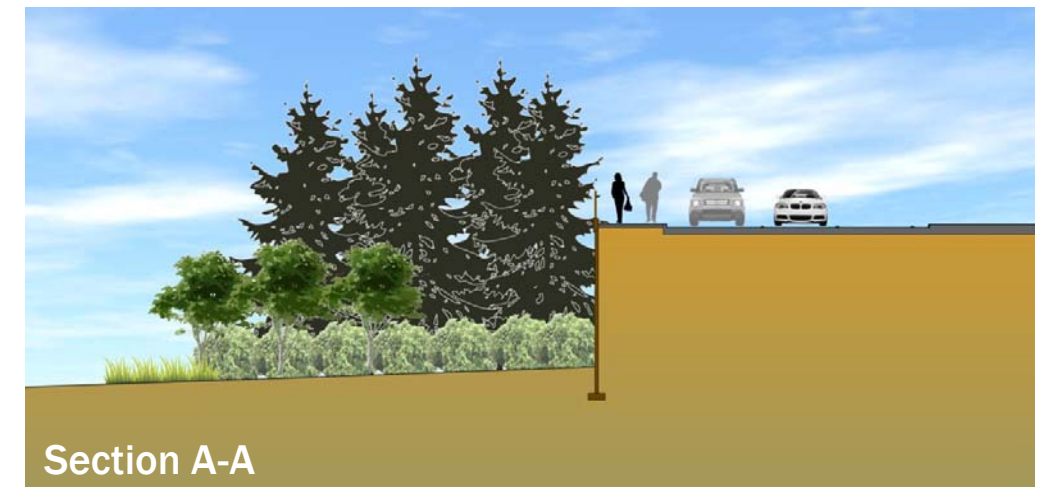
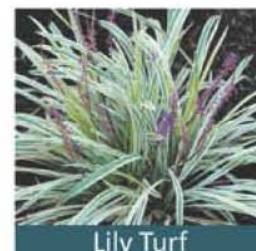
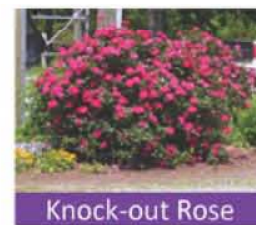
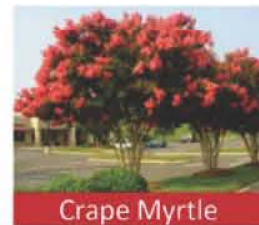
*View of walkway and pedestrian barrier improvements along Fox Ave. and West Valley Ridge Blvd bridges.*



# Old Town Character Zone – Planting Concepts Jug-handle Cross Street Overpass

The following general principles will be used to develop the planting concepts for this area.

- More formal landscape design with more intensive (seasonal) maintenance requirements.
- Ornamental flowering shrubs and trees
- Evergreen ground cover and shrubs provide year-round structure
- No ornamental grasses.

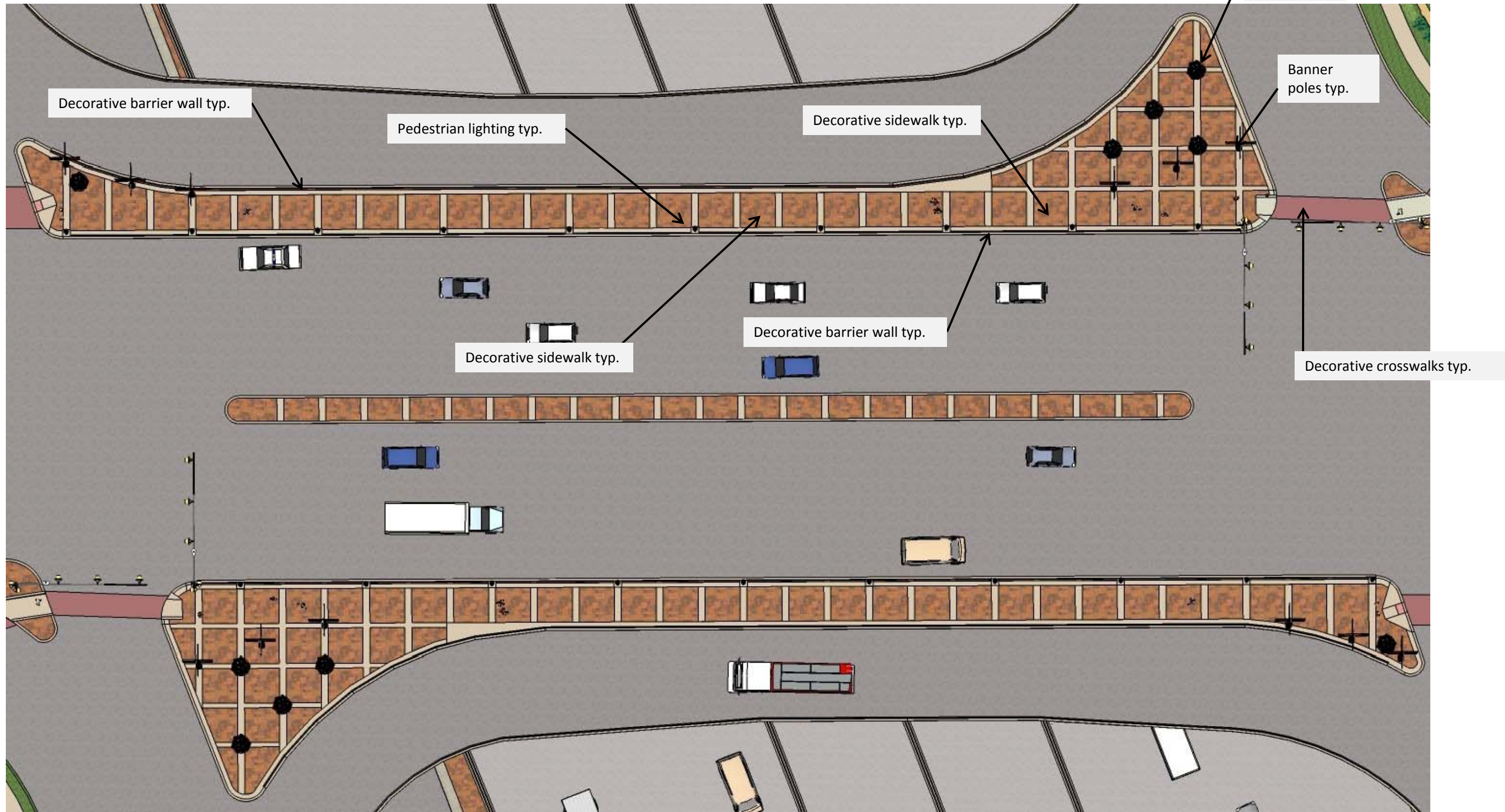




# Old Town Character Zone – West Main Street Overpass

## Schematic Plan

The following plan provides a general illustration of how the various elements of the Old Town Character zone are intended to be used at West Main St.

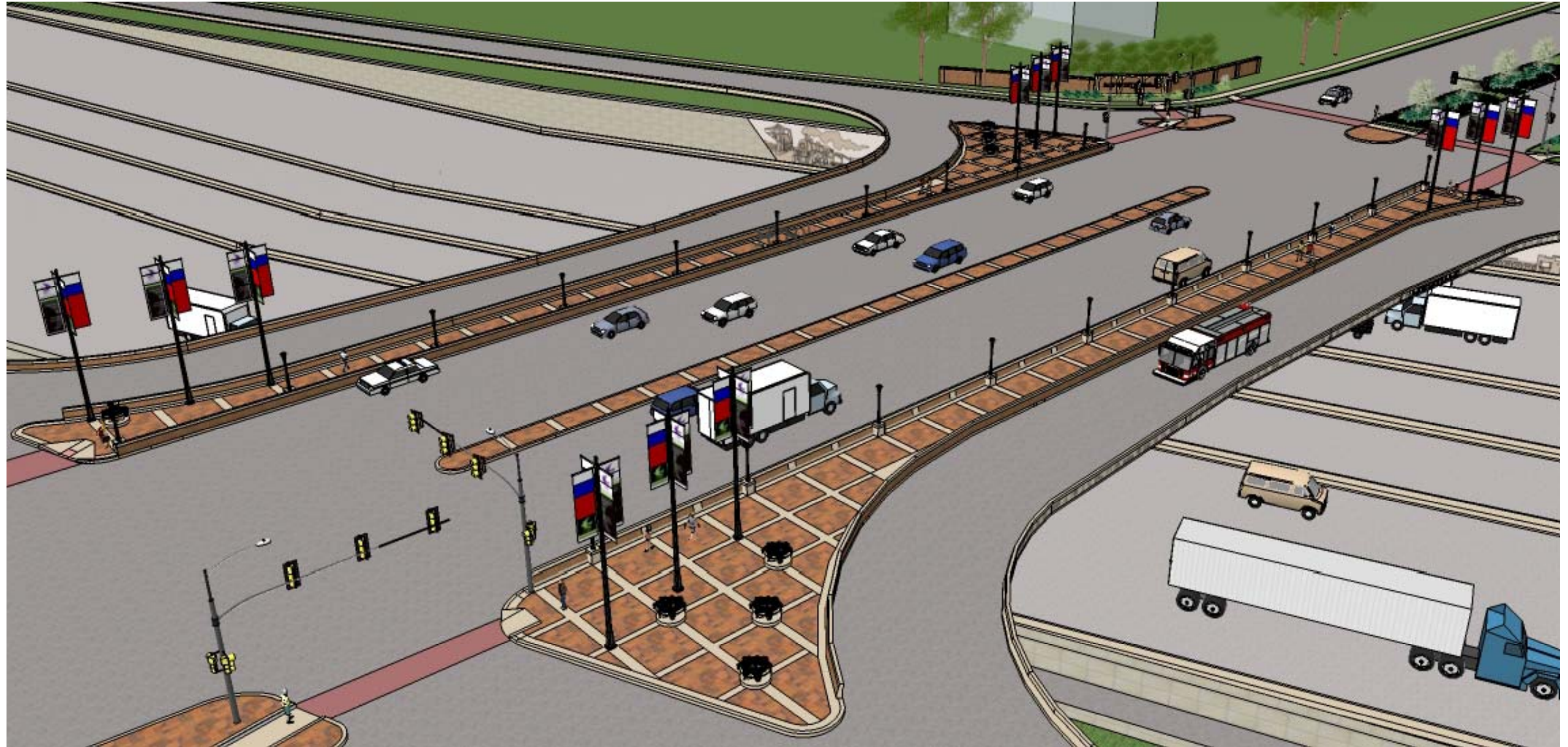




# Old Town Character Zone – West Main Street Overpass

## Character Sketch

Application of the Old Town design elements to the walkway along West Main Street interchange - looking to the east



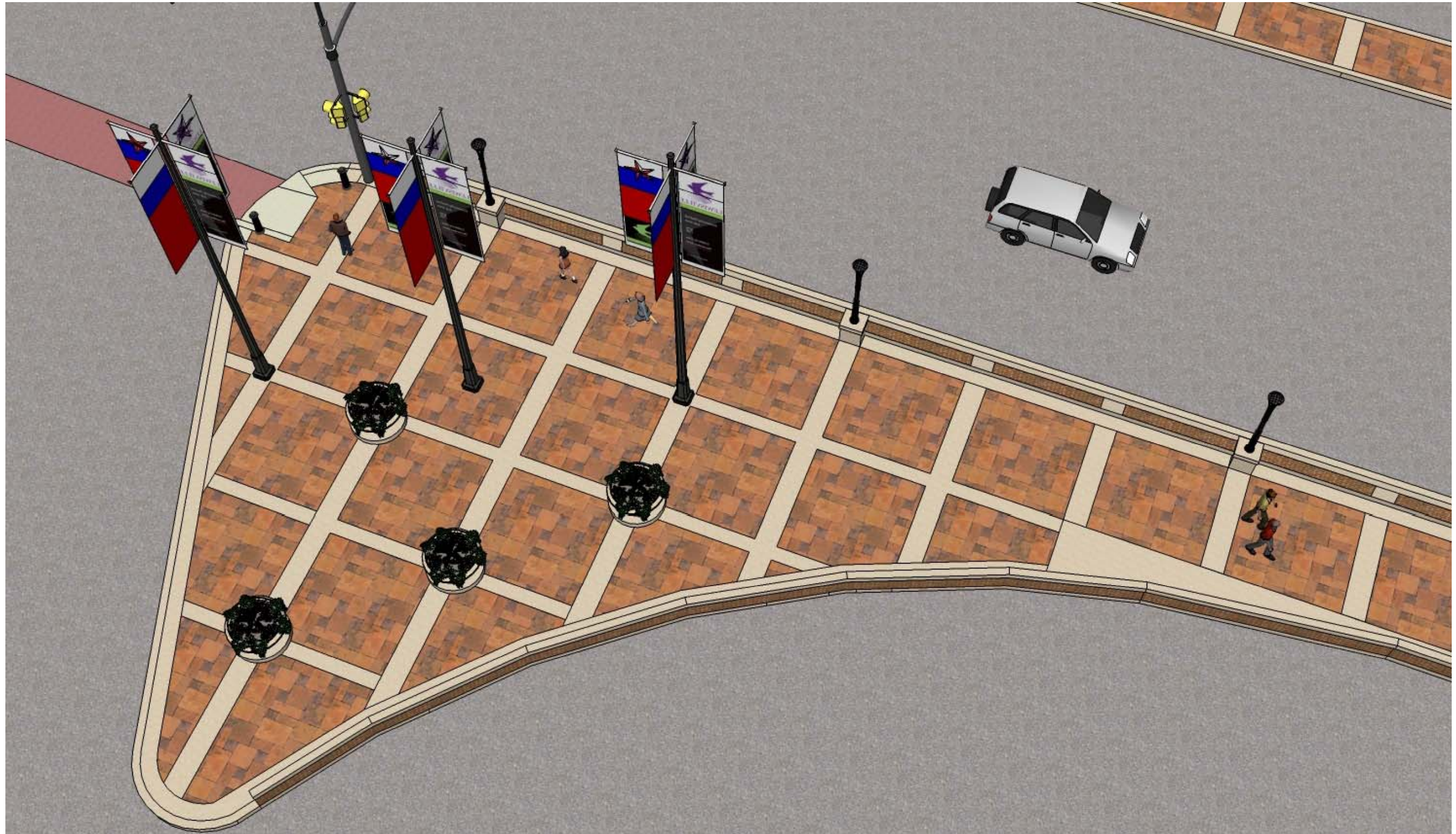
Application of the Old Town design elements to the walkway along West Main Street interchange - looking to the east



# Old Town Character Zone – West Main Street Overpass

## Character Sketch

Image shows application of the character elements on West Main street Overpass..



Plaza at end of West Main Street walkway - Bird's eye view



# Old Town Character Zone – West Main Street Overpass

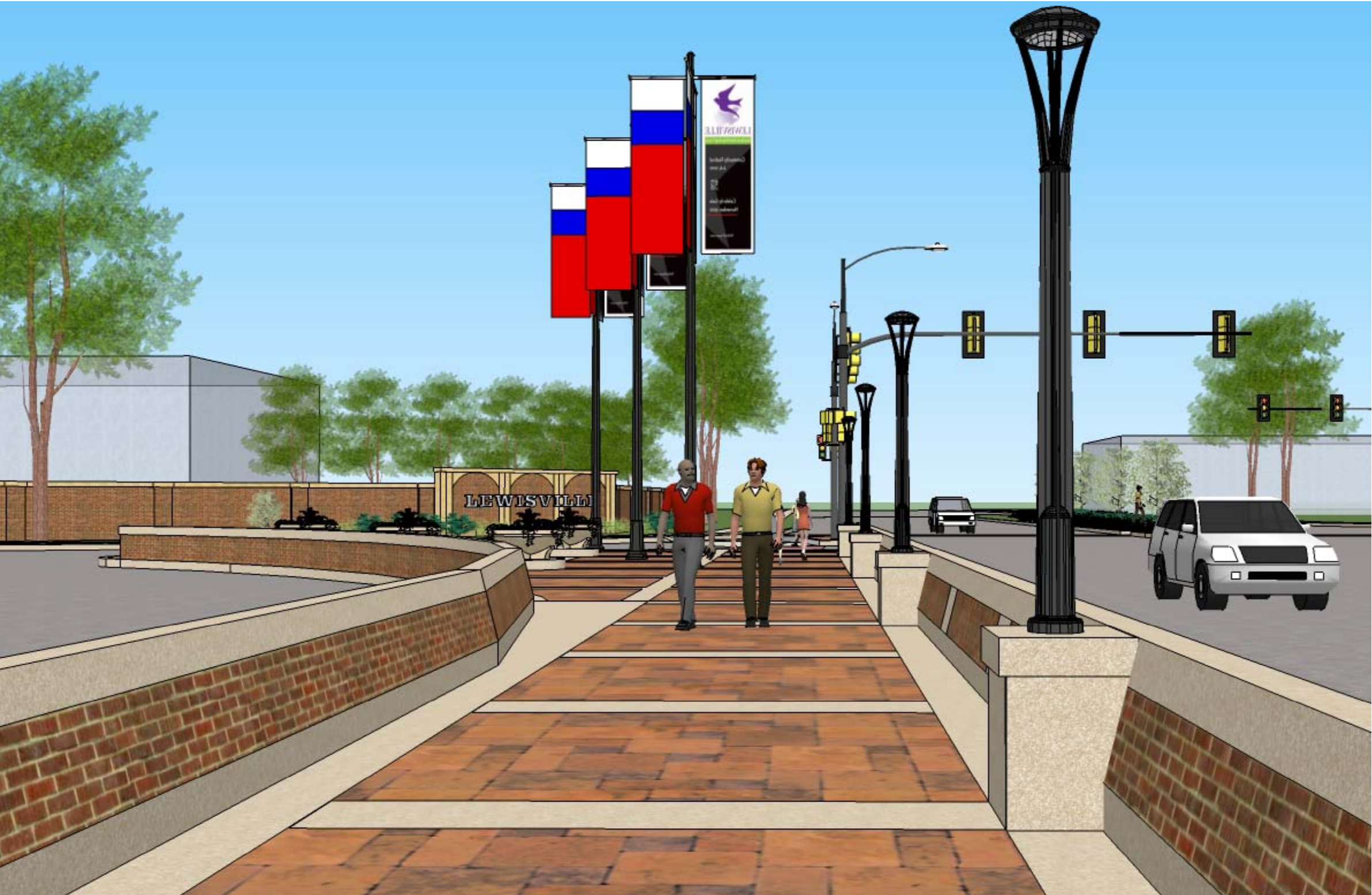
Character Sketch  
View of walkway at West Main Street





# Old Town Character Zone – West Main Street Overpass

Character Sketch View of walkway at West Main Street

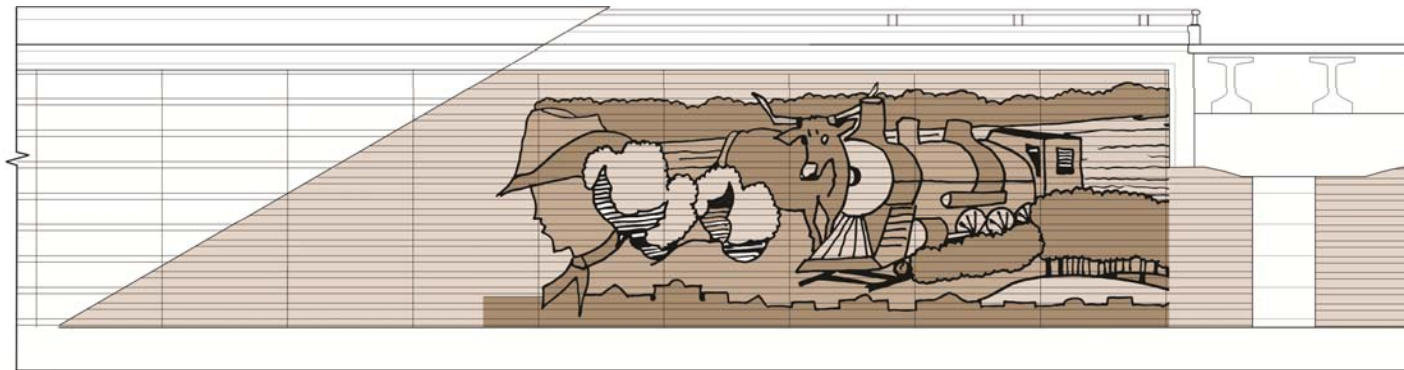




# Old Town Character Zone – West Main Street Overpass

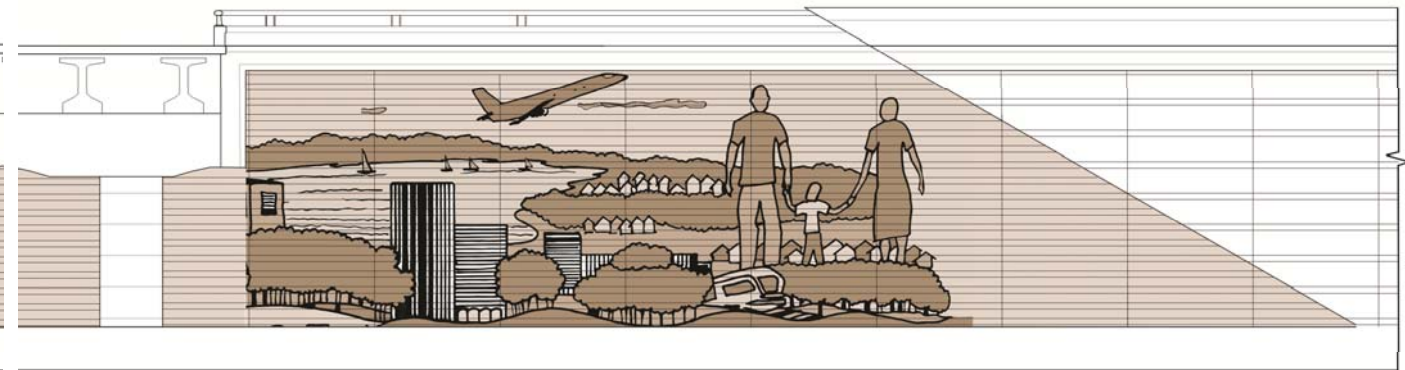
## Character Sketches

Context graphics will be located on the walls adjacent to the West Main Street overpass parallel to the main IH-35E travel lanes. It is anticipated that 4 wall surfaces would receive graphic treatment. The Illustrations below indicate the location and content of wall graphics to be placed at West Main Street. These graphics are conceptual and as such must be refined during final design to fit final wall locations as approved by TxDOT and graphic content per direction of the City of Lewisville. It is intended that the graphic be integral to the pre-cast concrete wall panel with a minimum of three layers of relief and then finished with tinted opaque sealer using a monochromatic color scheme of three shades in addition to the standard TxDOT panel color to create the desired graphic effect. See Appendix A-3 for wall graphic locations



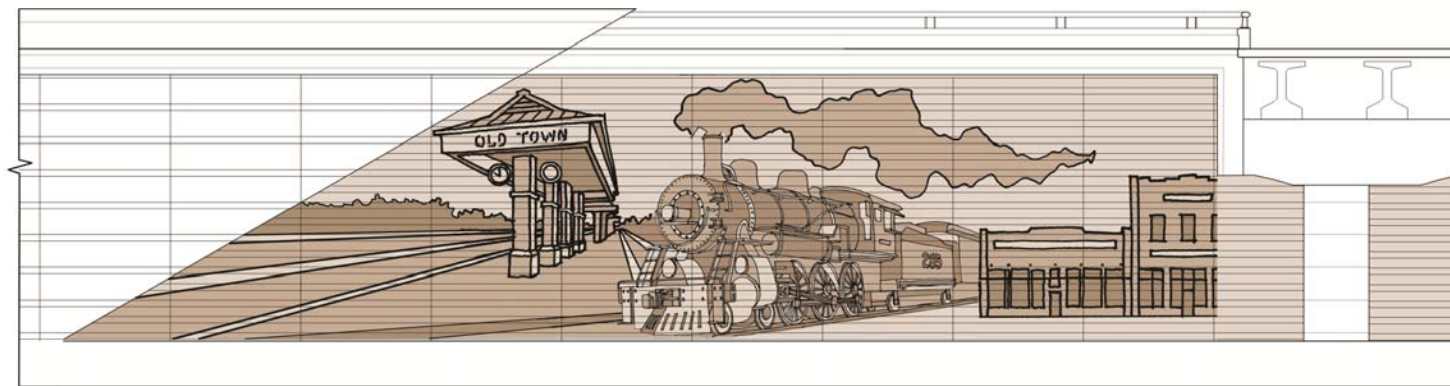
South (left) elevation of retaining wall graphic at W. Main Street looking west along IH-35E

13



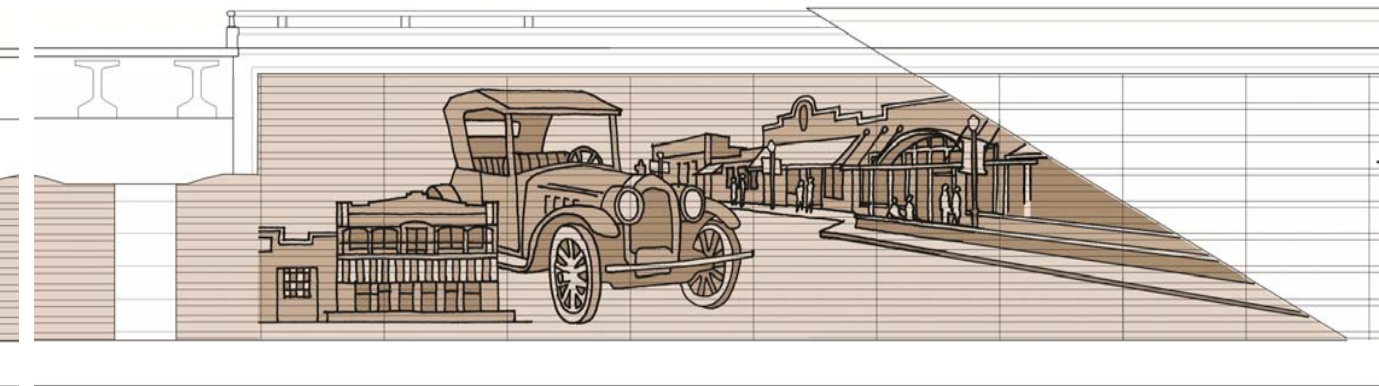
North (right) elevation of retaining wall graphic at W. Main Street looking west along IH-35E

14



North (left) elevation of retaining wall graphic at W. Main looking east along IH-35E

15



South (right) elevation of retaining wall graphic at W. Main looking east along IH-35E

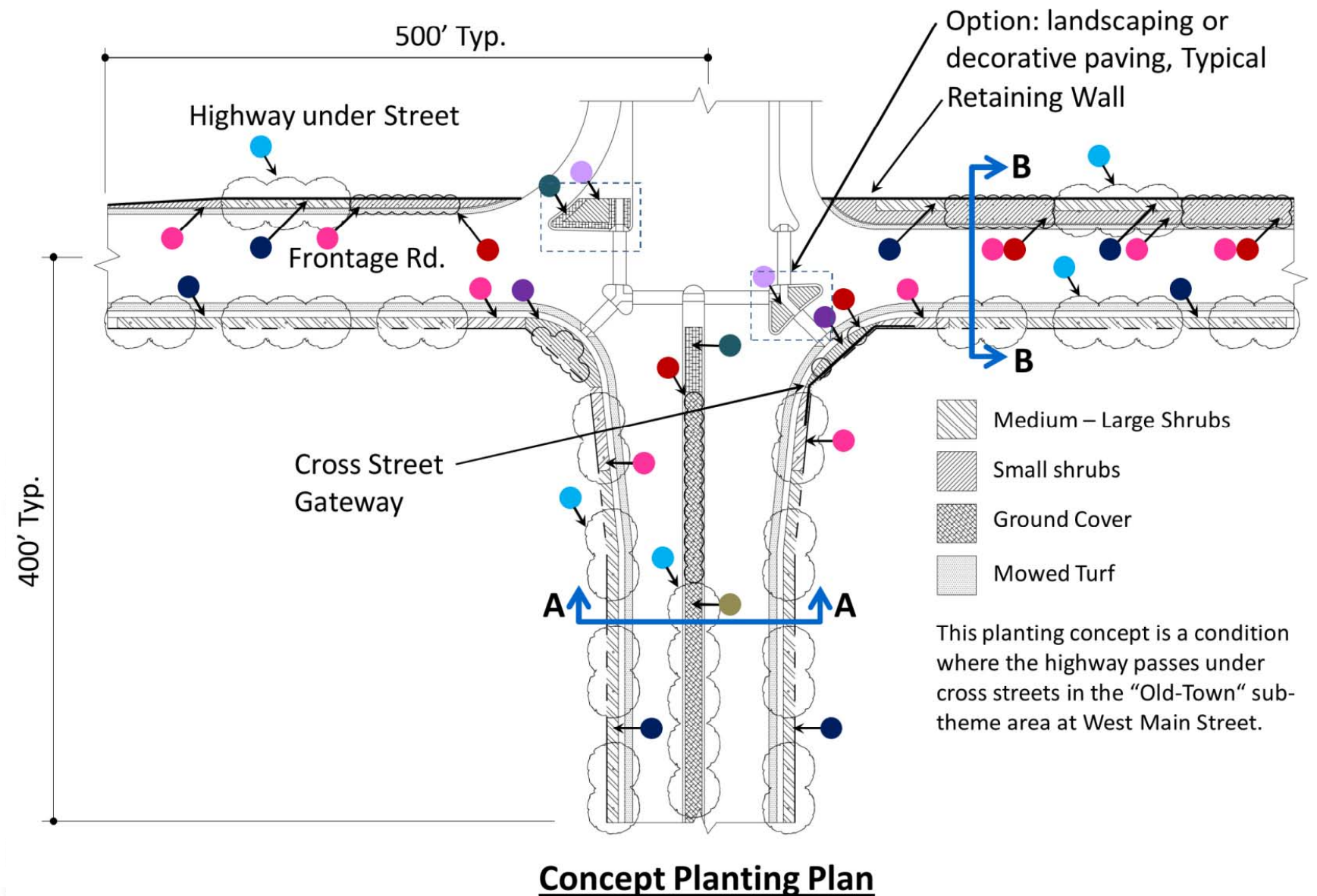
16



# Old Town Character Zone – Planting Concepts Cross Street Overpass

The following general principles will be used to develop the planting concepts for this area.

- More formal landscape design with more intensive (seasonal) maintenance requirements.
- Ornamental flowering shrubs and trees
- Evergreen ground cover and shrubs provide year-round structure
- No ornamental grasses.







**LAKE CHARACTER ZONE**

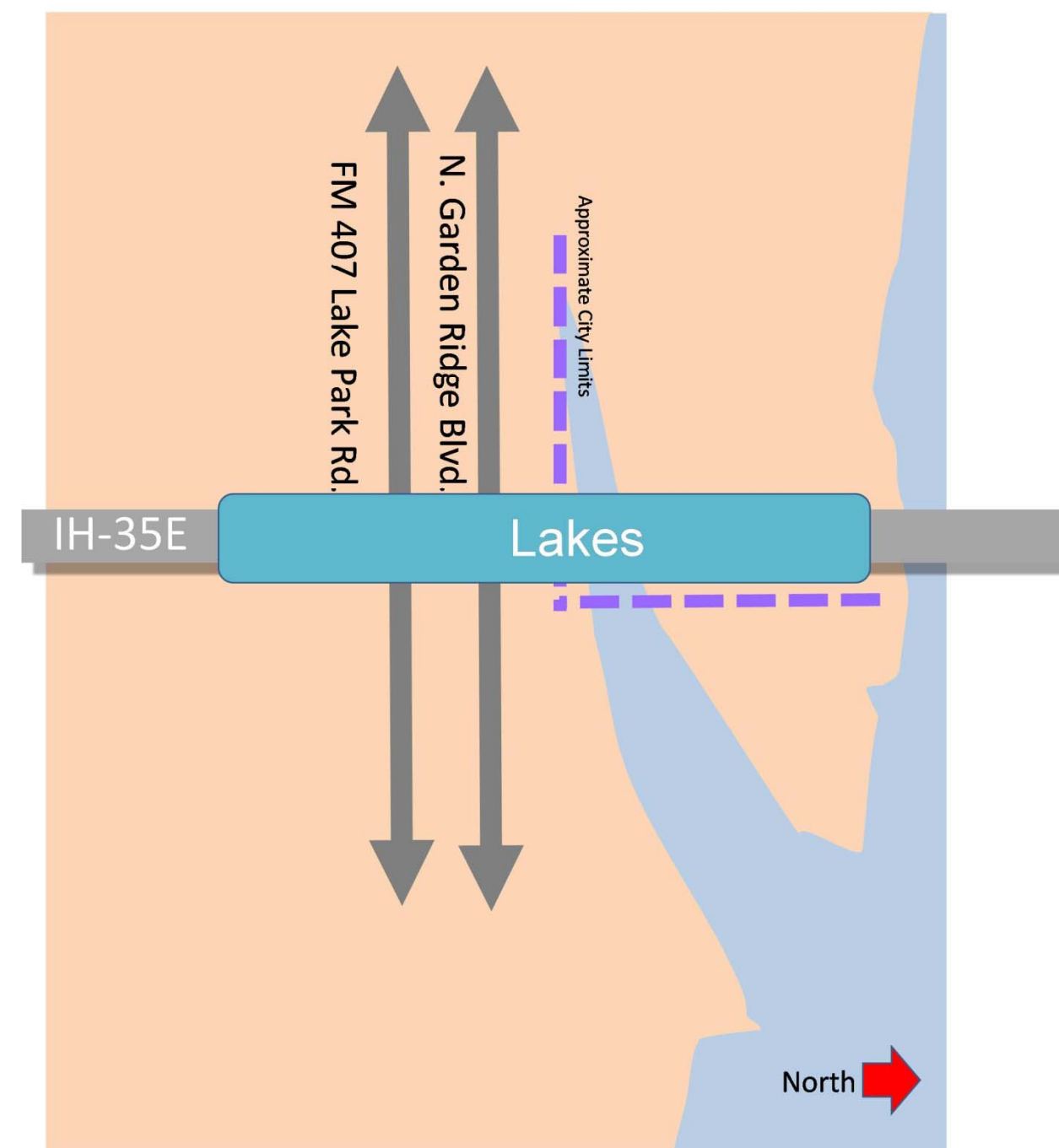
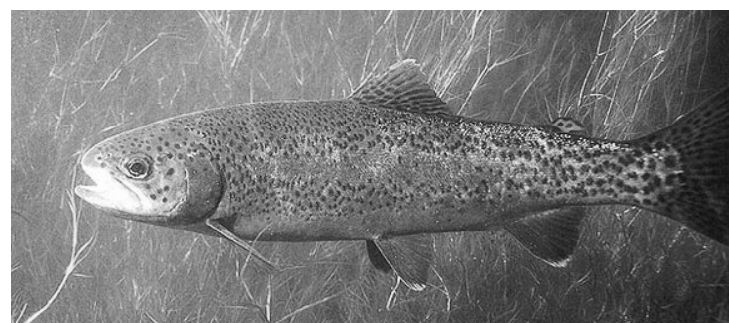


## Lake Character Zone

The limits of the Lakes Character zone extend from just south of FM 407 to the north City Limits near Lake Lewisville. The Lakes character zone includes the Fm 407 Lake Park Rd. and the North Garden Ridge Blvd. (IH-35E overpass Interchanges).

### Visual Character Description

The Development of the Lakes Character Zone is accomplished by incorporating forms common to water environments. The elements chosen as inspiration for the development of the Lakes character include waves, smooth rounded stones, water fowl, fish and surface water craft used in water recreation activities. The color palette uses the softer warm grays and slate blue range as identified in the TxDOT Corridor Design Guide.

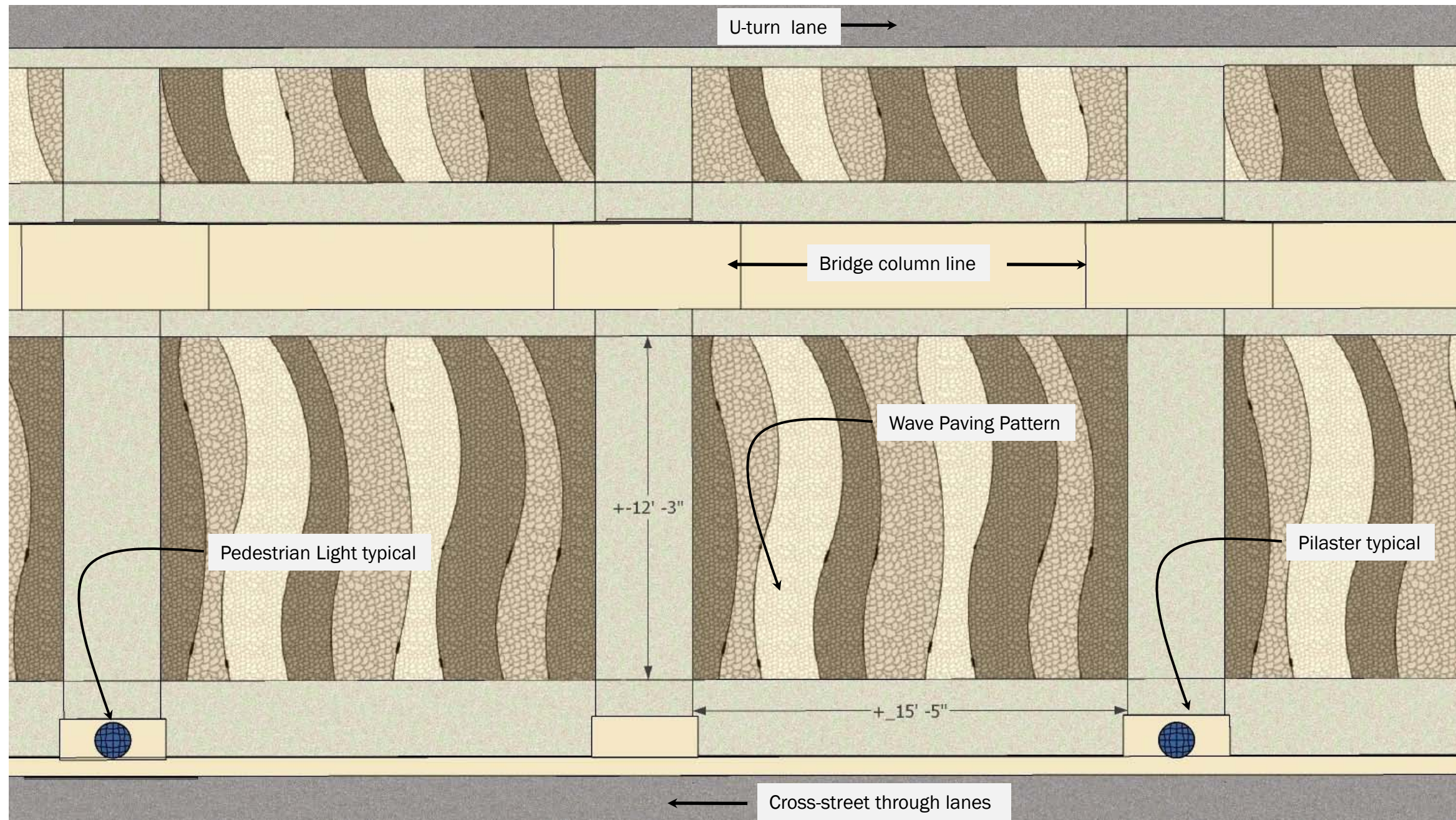




# Lake Character Zone – FM 407 & N. Garden Blvd.

## Pedestrian Paving

Paving of sidewalks in this character zone under IH -35 E bridges will consist of broom finished, color stained or exposed aggregate colored concrete pavement. The design pattern is intended to reflect the motion and form of waves lapping against a shore line. The wave patterns are to be created using three shades of color or aggregate and exposing them in a wash off process after the concrete is poured and troweled. The pattern repeats in each panel along the walkway. The wave pattern is surrounded by a grid of broom finished concrete. The paving pattern will run perpendicular to the walk path and generally be symmetrical within the surrounding concrete frame. Expansion and crack control joints will be placed only between the edge of the banding and the waved patterned paving. The surrounding concrete banding and shall run perpendicular to the walk. Pavement panels will vary depending upon the width of the walkway



Plan of pedestrian barriers and sidewalk paving.

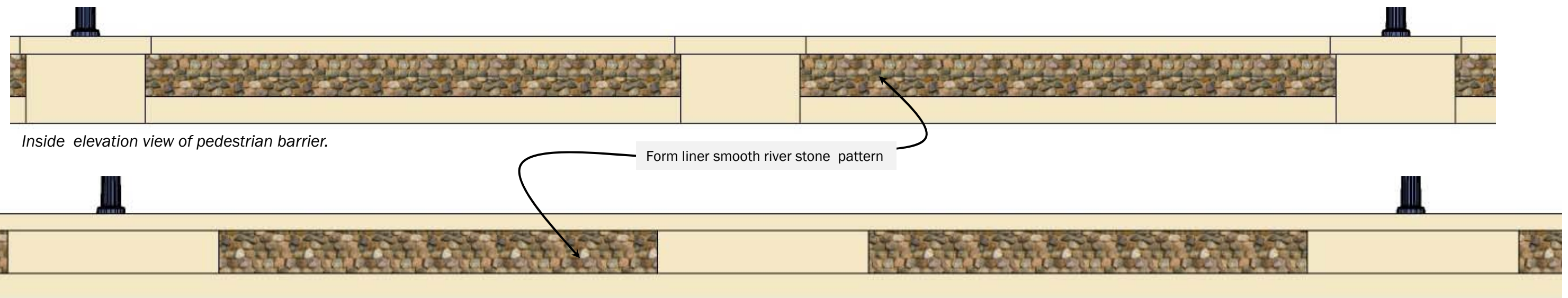


# Lake Character Zone

## Pedestrian Barriers

The sidewalks under IH -35E within the Lakes character zone will be defined by pedestrian barriers. These barriers will be modified from standard approved TxDOT barriers to incorporate the desired aesthetic design and to support the proposed pedestrian lighting. The wall section has vertical faces with inset panels on each side. The inset panels are to include a smooth random stone pattern with surface applied color to emulate natural stone. Stone sizes are to be no larger than 4-6" in any one dimension and are to be smoothed water washed in character. The remainder of the wall and pilasters are to have a concrete finish and color similar to the base of the bridge columns. The stand alone barrier wall is punctuated with pilasters which occur in line with the columns of the bridge bent.

Note: The barrier walls have a constant cross section and with the addition of pilasters as indicated. The pilasters will be used to support the pedestrian lighting as indicated. Lighting is located on the through lane side of walkway only.



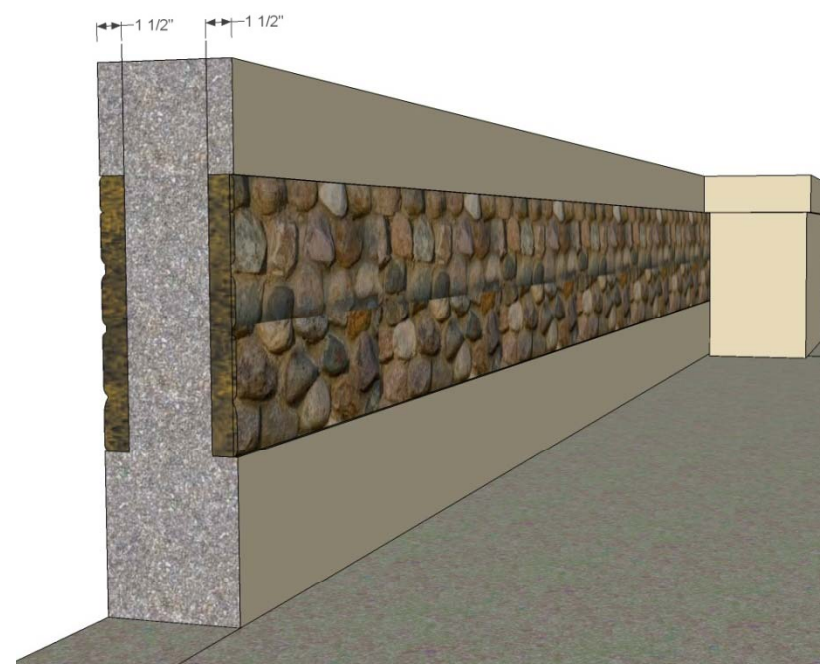
Inside elevation view of pedestrian barrier.

Form liner smooth river stone pattern

Outside elevation view of pedestrian barrier.



Isometric view of walkway with lamp pilaster



Isometric view of barrier from walkway stone inset panel minimum 1-1/2" relief



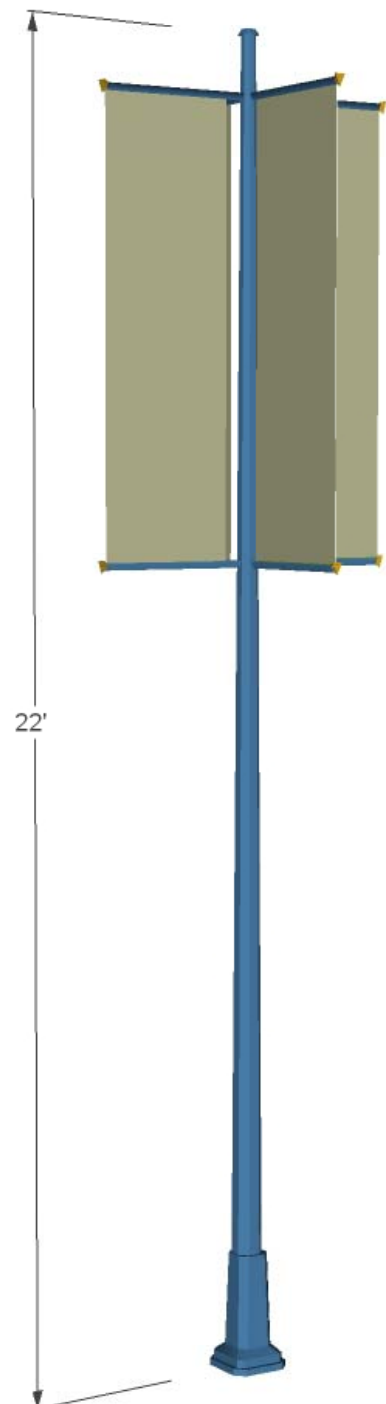
# Lake Character Zone

## Streetscape Amenities

The use of additional streetscape amenities will complete the design for this character zone . The following elements will be used at Fm 407 and North Garden Ridge Blvd as generally as displayed in the sketches to follow.



*The Cross -Street Gateway element uses smooth stone insets (similar to pedestrian barrier ) on flanking walls and wave pattern on main sign panel (similar to walkway paving ) on main sign panel. The Cross Street Gateway elements are to be placed outside of the right-of way on City of Lewisville property. In locations where no such property can be provided, the Gateway will not be constructed. See Appendix C for additional information on general gateway dimensions.*



Banner stanchion with quad banners  
Blue



12' tall Alcott pedestrian lighting fixture  
Blue



8' tall informational sign  
Blue



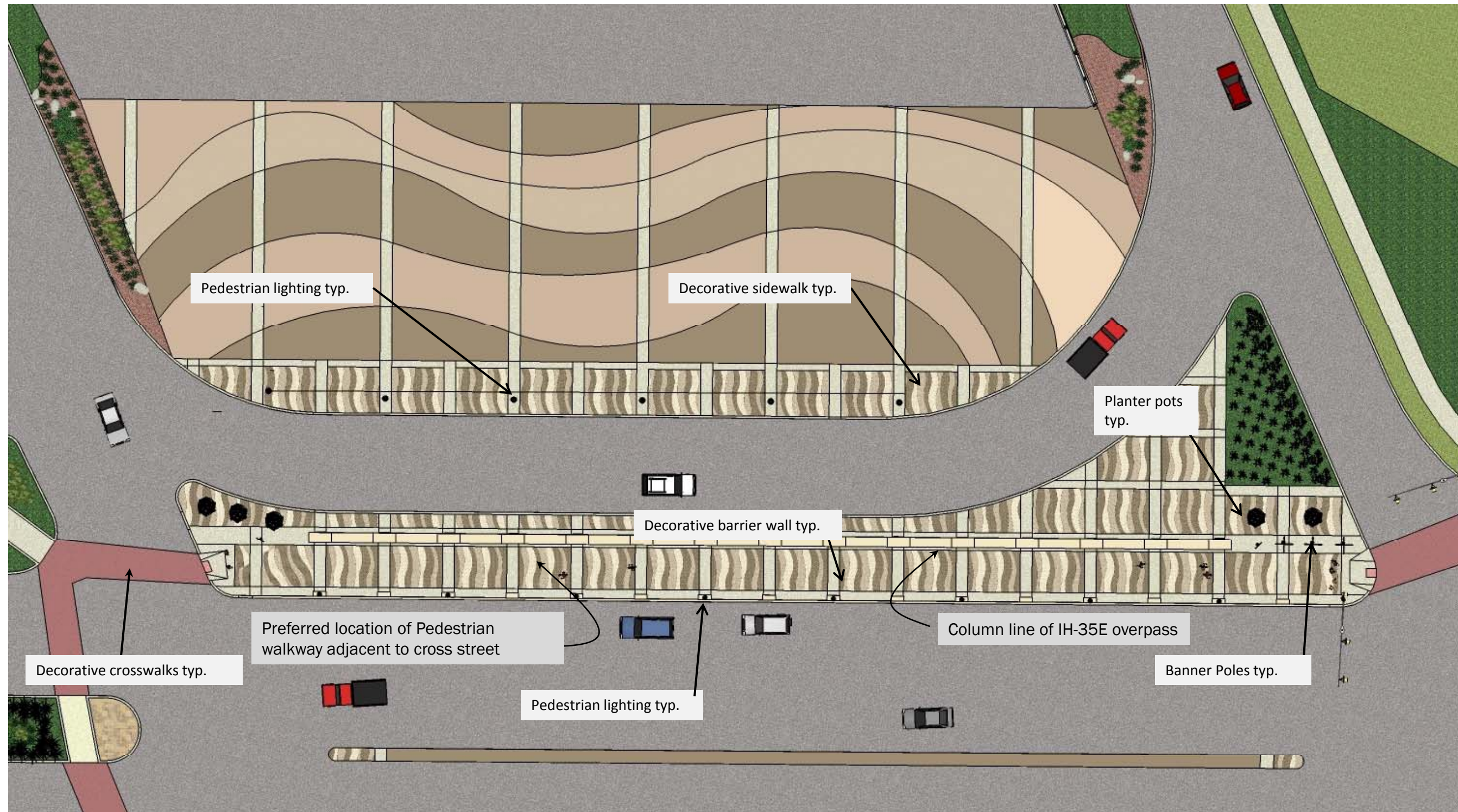
5' diameter cast stone planter pot



# Lake Character Zone – FM 407

## Schematic Plan Layout

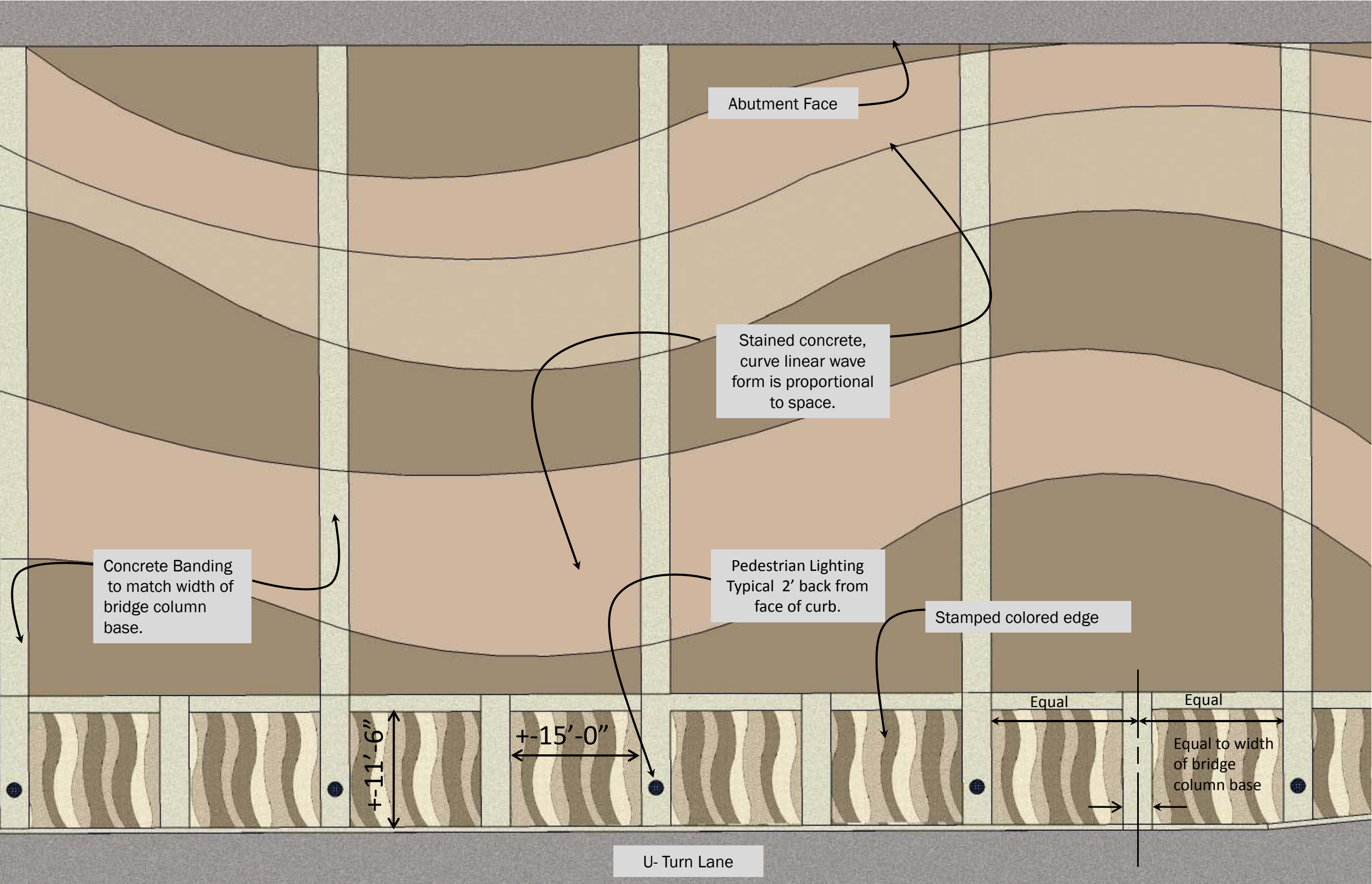
The following concept plan provides a general illustration of how the various elements of the Lakes Character zone are intended to be used at FM 407. Use of these elements would be similar at North Garden Ridge Blvd. The IH-35E Bridge Deck has been removed for clarity of improvements below.





# Lake Character Zone – FM 407

Partial Schematic Hard scape Plan beneath IH-35E



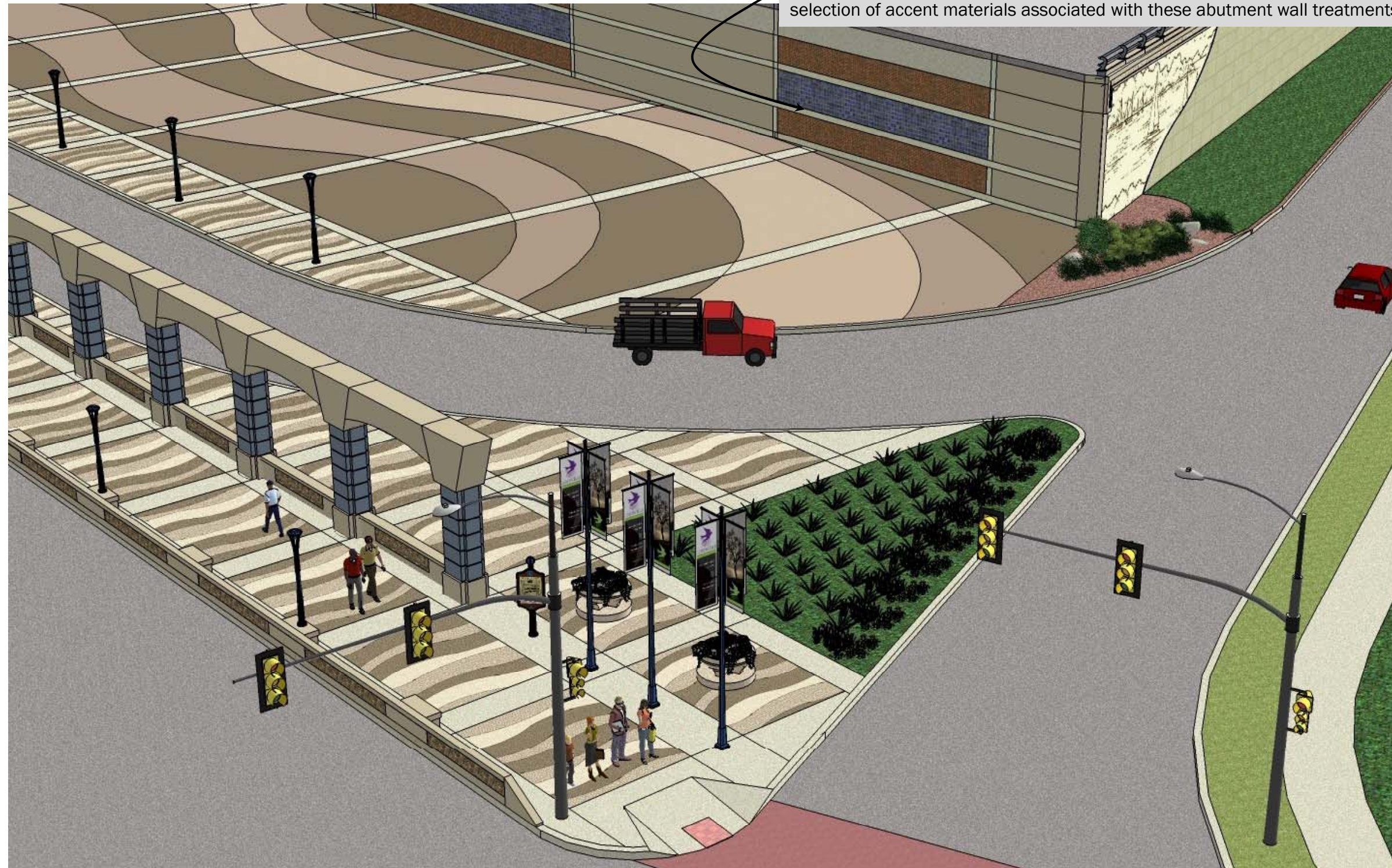


# Lake Character Zone – FM 407 & North Garden Ridge Blvd.

## Character Sketch

Isometric view of the northern portion of interchange illustrating application of the Lakes design elements to the FM 407 Interchange. Similar design elements are to be applied to the North Garden Ridge Blvd. Interchange. IH-35E bridge deck removed for clarity of improvements beneath.

Note: brick panels above and below blue glazed tile panels are to be used on vertical abutment faces where they occur at cross street underpass locations. The City of Lewisville will require input into the selection of accent materials associated with these abutment wall treatments. See page 20 for details.





# Lake Character Zone – FM 407 & N. Garden Blvd.

## Character Sketch

The following sketch illustrates application of the Lakes design elements along FM 407.



View of Pedestrian walkway Note walk adjacent to cross street traffic on widened walkway.



## Lake Character Zone – FM 407 & N. Garden Blvd.

### Character Sketch

The following sketch illustrates application of the Lakes design elements along FM 407 where the pedestrian walk way is located inside the bridge column lines adjacent to the cross street through traffic lanes.

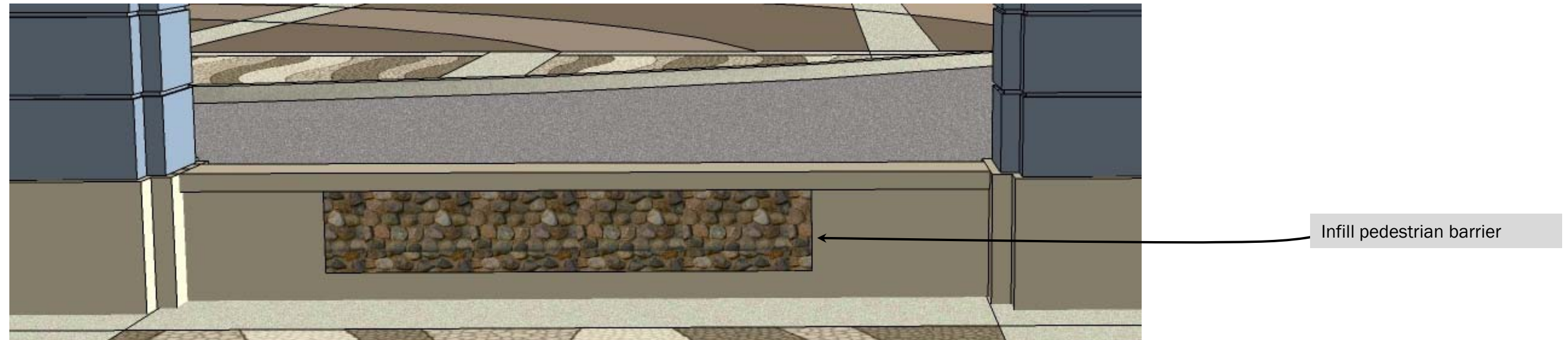




# Lake Character Zone – Pedestrian Infill Barriers

## Character Sketches

The following images illustrate the aesthetic treatment of the infill pedestrian barriers along the column lines for bridges within the Lake character zone.



*View of infill barrier between column lines - stone texture panel and color - Walkway view*



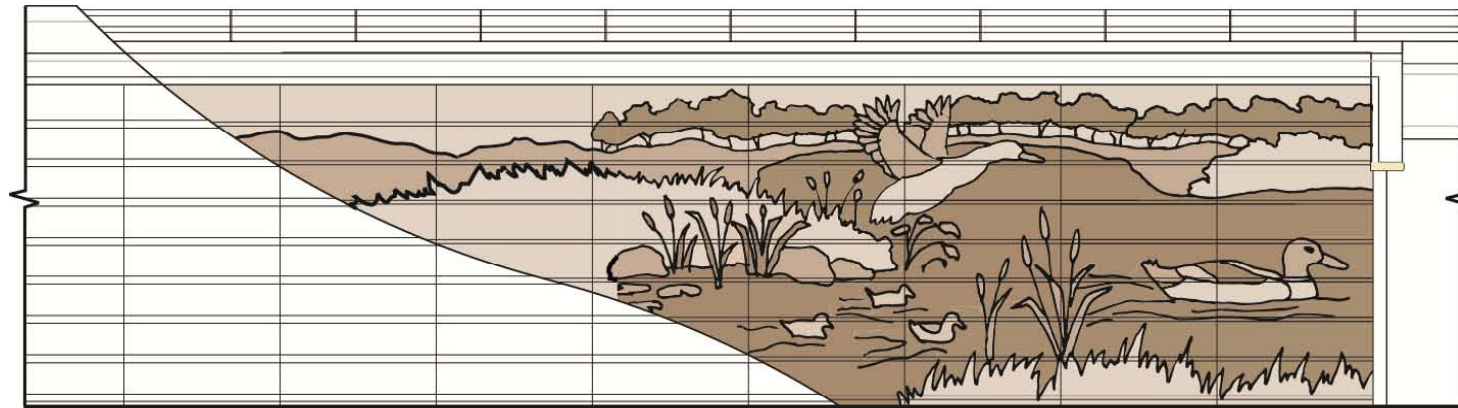
*View of infill barrier between column lines to match base treatment on bridge columns – Cross-street view*



# Lake Character Zone – FM 407

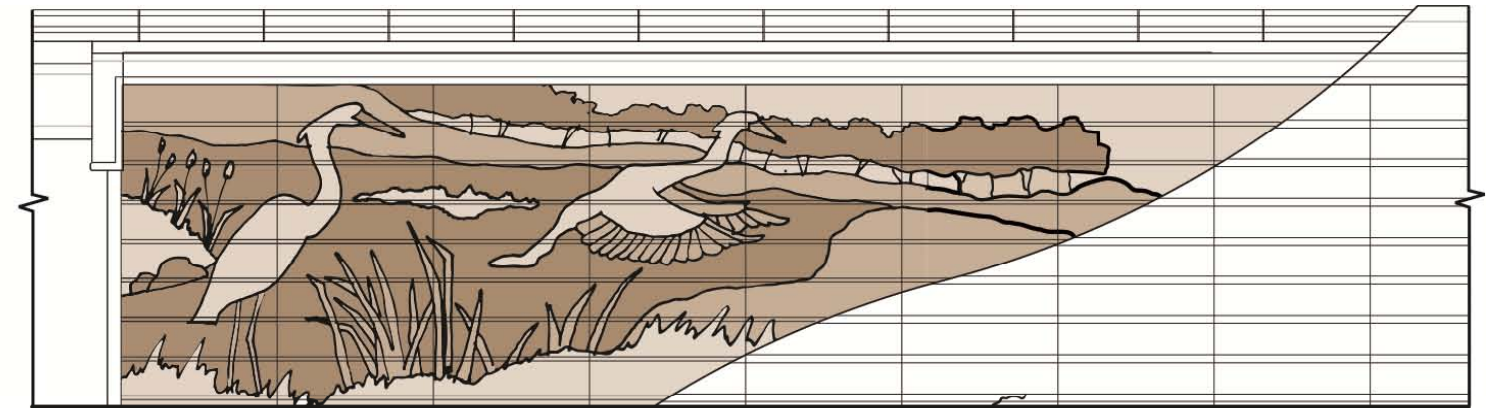
## Character Sketches

Context graphics will be located on the 4 wing walls adjacent to the bridge abutment at the FM 407 interchange. The illustrations below indicate the location and content of wall graphics to be placed at the FM 407 interchange. These graphics are conceptual and as such must be refined during final design to fit final wall locations as approved by TxDOT and graphic content per direction of the City of Lewisville. It is intended that the graphic be integral to the pre-cast concrete wall panel with a minimum of three layers of relief and finished with tinted opaque sealer using a monochromatic color scheme of three shades against the standard TxDOT panel color to create the desired graphic effect. See Appendix A-4 for wall graphic locations.

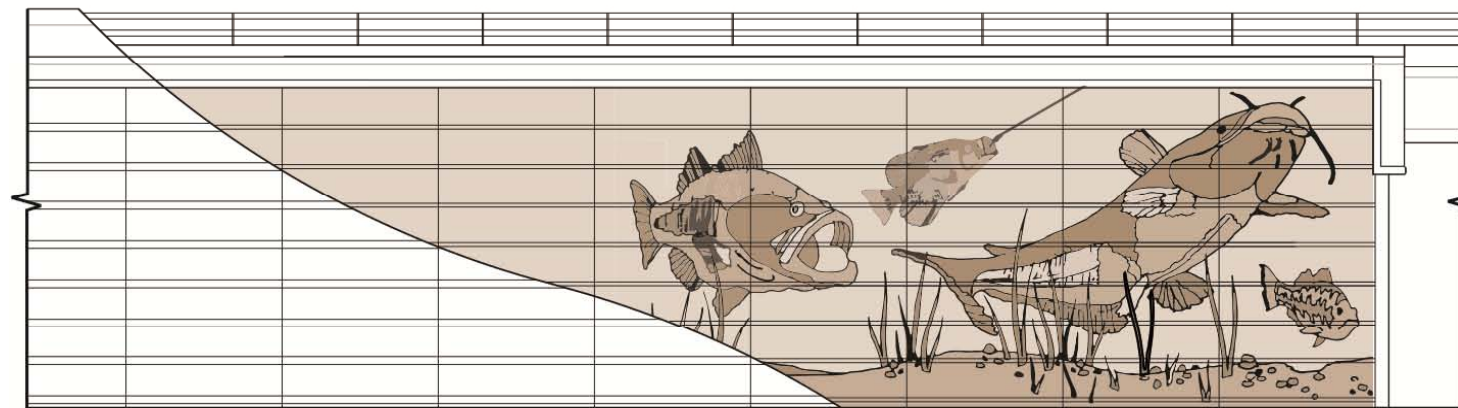


17

South (left) and North (right) elevation IH-35E overpass wing walls at FM 407 East Side of I-35

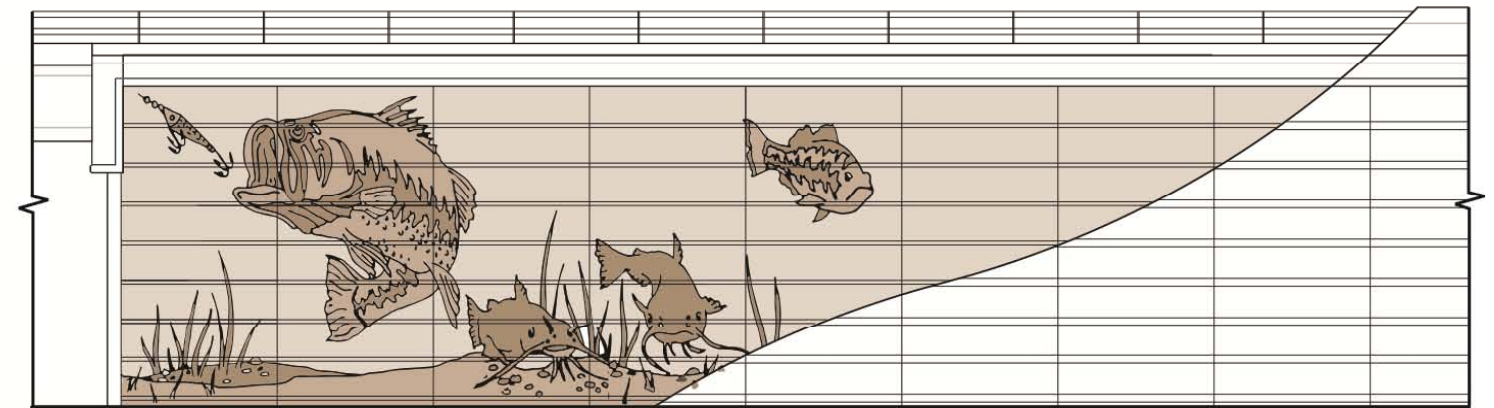


18



19

North (left) and South (right) elevation IH\_35E overpass wing walls at FM 407 West Side of I-35



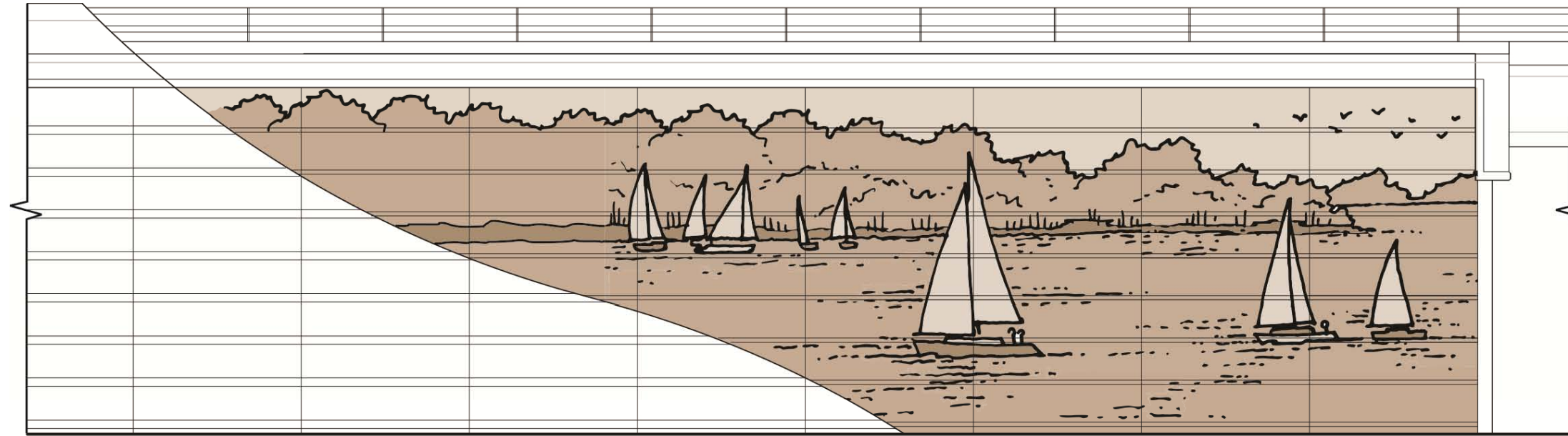
20



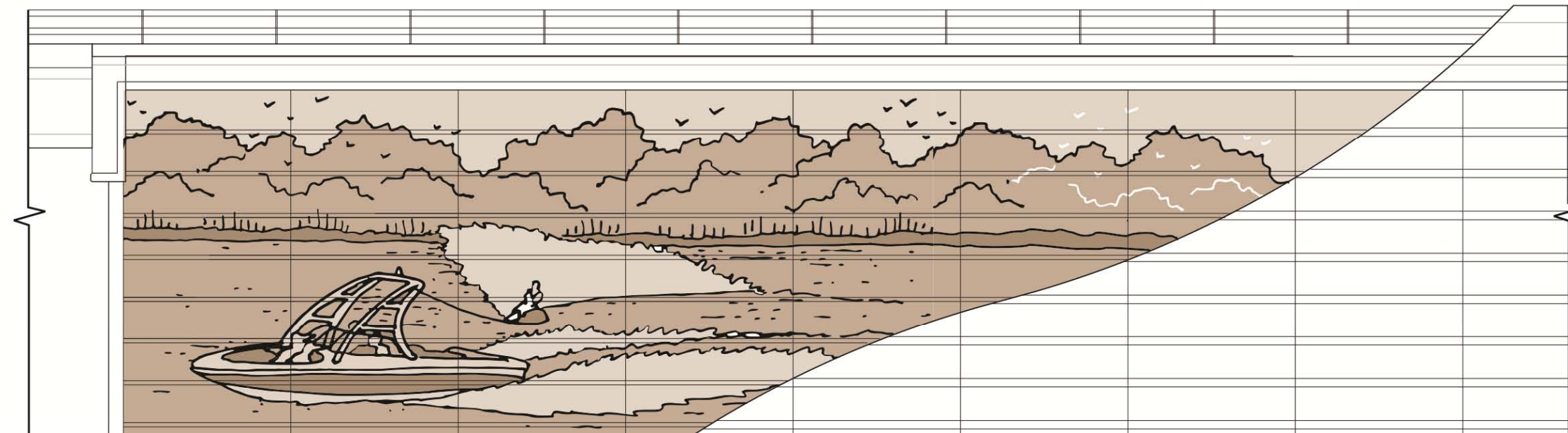
# Lake Character Zone – N. Garden Ridge Blvd.

## Character Sketches

Context graphics will be located on the 2 wing walls adjacent to the south bridge abutment at the North Garden Ridge Blvd. interchange. The Illustrations below indicate the location and content of wall graphics to be placed at the North Garden Ridge Blvd. interchange. These graphics are conceptual and as such must be refined during final design to fit final wall locations as approved by TxDOT and graphic content per direction of the City of Lewisville. It is intended that the graphic be integral to the pre-cast concrete wall panel with a minimum of three layers of relief and then finished with tinted opaque sealer using a monochromatic color scheme of three shades against the standard TxDOT panel color to create the desired graphic effect. See Appendix A-4 for wall graphic locations.



21 South (left) elevation of IH-35E overpass wing walls at N. Garden Ridge Blvd. – East Side of I-35



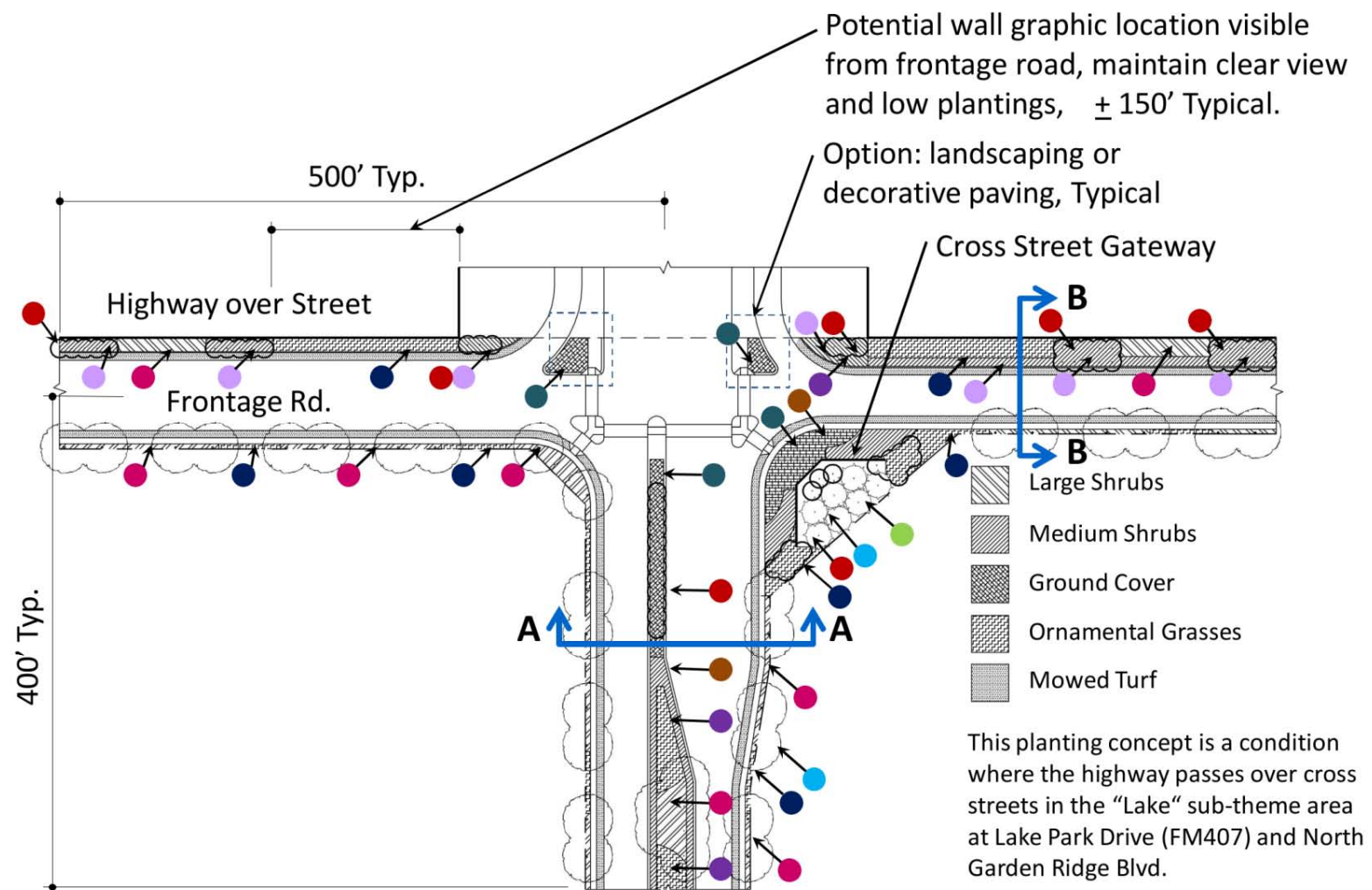
22 South (right) elevation of IH-35E overpass wing walls at N. Garden Ridge Blvd. – West Side of I-35



# Lake Character Zone – Planting Concept Cross Street Underpass

The following general principles will be used to develop the planting concepts for this area.

- Sustainable native landscape approach with less intensive (semi-annual) maintenance requirements.
- Masses of native and / or naturalized grass plantings that respond to passing winds, at prominent areas.
- Prairie / Savanna landscape including deciduous hardwood trees among mixed native grass.



**Concept Planting Plan**



# SUMMARY MATRIX

**Description** The following matrix provides an summary of the proposed aesthetic enhancements for the Lewisville IH-35E corridor as described and illustrated above.

## Summary of Aesthetic Enhancements for Lewisville IH-35E Corridor FINAL PLAN

IH-35E Interchange Location	TXDOT Character Zone	City of Lewisville Character zones	Rail type	Wall Graphics	Pedestrian Lighting	Banner Poles	Planter Pots	Side Walk Pavement	Pedestrian Protection Barriers	Sidewalk Widths	Crosswalk Treatment	Cross Street name Imprint	Under Bridge Hardscape Treatment	Abutment Face Treatment	Trails Master Plan Designation
Hebron Parkway	URBAN	Parks	T401	Buffalo- east side Open Space -west side occurs on Manages lane walls location TBD	Yes olive green	Yes olive green	Yes	stamped colored simulated stone	undulating with grass pattern	12' walkway width	stamped colored concrete	Yes	NA	NA	no designation
Waters Ridge Dr.	URBAN	Parks	SSTR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	no designation
unnamed structure	URBAN	Parks	T401	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	underpass with trail head
East Corporate Dr.	URBAN	Parks	T401	Open Space -west side Buffalo/Bluebells east side	Yes olive green	Yes olive green in median	Yes	stamped colored simulated stone	undulating with grass pattern	12' walkway - U-turn side of columns.	stamped colored concrete	NA	flag stone edge bands at edge colored concrete inside	Yes Green glazed accent tile	proposed enhanced sidewalks with trail marker
Business SH121	URBAN	Old Town	T401	Old Town-east Old Town w/ train west	Yes dark gray	Yes dark gray	Yes	stamped colored concrete	with pilasters and brick pattern and color	12' walkway -(U-turn side) of columns.	stamped colored concrete	NA	concrete bands with stamped pattern along U-turn Loop, colored concrete with bands against abutment	Yes violet glazed accent tile	no designation
Fox Ave.	URBAN	Old Town	T401	NA	Yes titanium gray	Yes titanium gray	NA	brick shaped pavers, stamped colored or clay brick	with pilasters and brick pattern and color	8-10' walkway	stamped colored concrete	Yes	NA	NA	proposed enhanced sidewalks with trail marker
West Main	URBAN	Old Town	T401	Past /Future -west side Old Town with train- east side	Yes titanium gray	Yes titanium gray	Yes	brick shaped pavers, stamped colored or clay brick	with pilasters and brick pattern and color	12' walkway	stamped colored concrete	Yes	bands with brick form insets	NA	proposed enhanced sidewalks with trail marker
W. Valley Ridge Blvd.	URBAN	Old Town	T401	NA	Yes dark gray	Yes dark gray	NA	brick shaped pavers, stamped colored or clay brick	with pilasters and brick pattern and color	8-10' walkway	stamped colored concrete	Yes	bands with brick form insets	NA	no designation
FM 407 /Lake Park Rd.	LAKES	LAKES	T1F	Fish-east side, Birds- west side	Yes steel blue	Yes steel blue	Yes	wave pattern color/ aggregate	wall with pilasters & Pebble Pattern and color	12' walkway (through lanes )side of columns.	stamped colored concrete	NA	bands with wave pattern insets along U-turn loop large wave pattern of colored concrete with concrete bands leading to abutment	Yes with blue glazed accent tile	proposed enhanced sidewalks with trail marker
N.Garden Ridge Blvd.	LAKES	LAKES	T1F	sail boats - east side, speed boat- west side	Yes steel blue	Yes steel blue	Yes	wave pattern color/ aggregate	wall with pilasters & Pebble Pattern and color	12' walkway -(U-turn side) of columns.	stamped colored concrete	NA	bands with wave pattern insets along U-turn loop large wave pattern of colored concrete with concrete bands leading to abutment	Yes with blue glazed accent tile	proposed enhanced sidewalks with trail marker

local Cross Street over IH-35E  
IH-35E over Local Cross Street



**Appendix A. Corridor Plans**

**Appendix B. Planting Palettes**

**Appendix C. Cross Street Community Identifier**

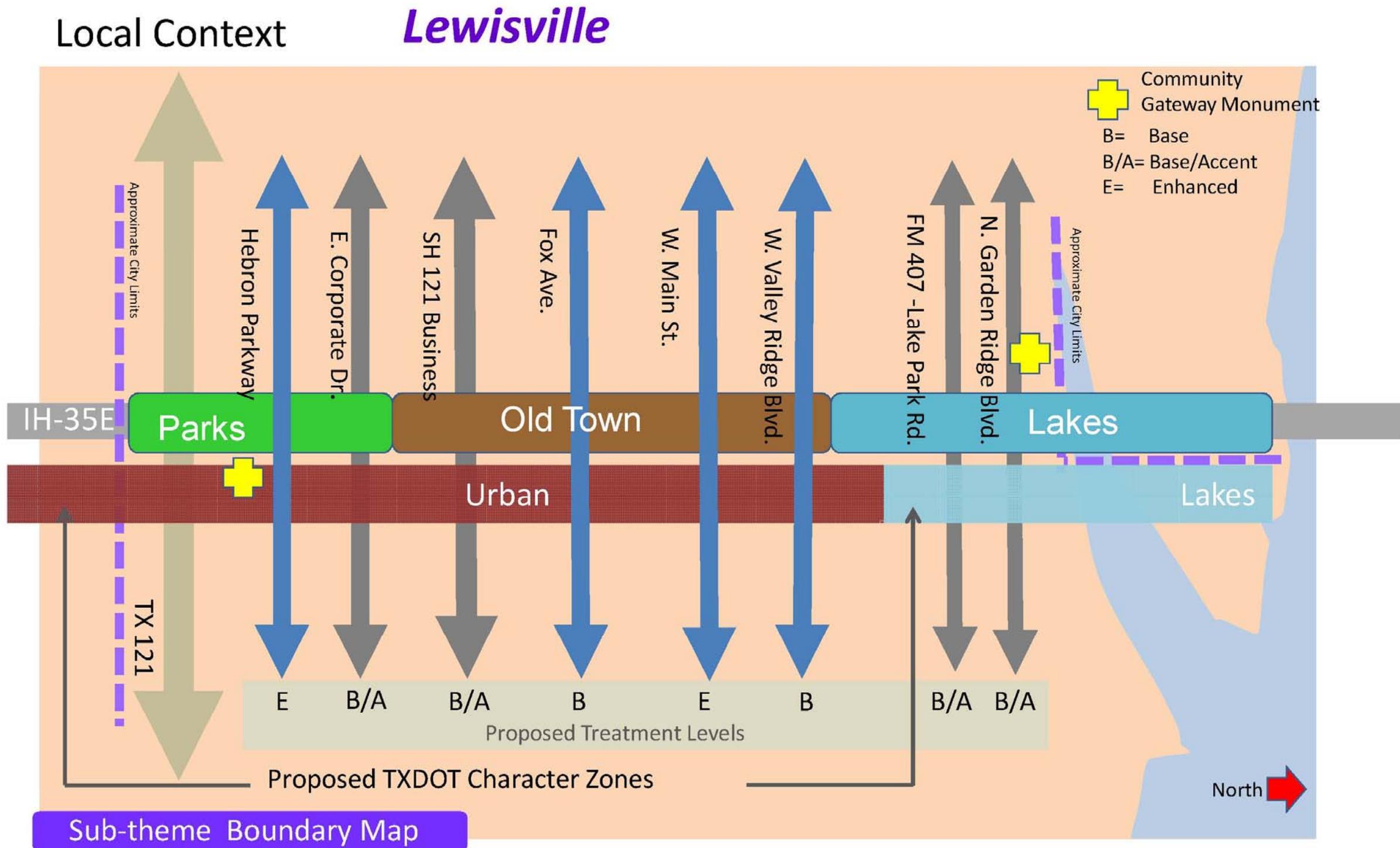
**APPENDIX**



# A. Corridor Plans

## Description

The three visual character zones describe herein are unique to Lewisville but are overlays to the visual character zones of Urban and Lakes as identified in TxDOT Corridor Aesthetics Plan and Corridor Design Guidelines. It is the intention that the principles identified in the above TxDOT documents as defined as Urban and Lakes are the basis for the design treatment in Lewisville. The design concepts discussed and illustrated in this document would supplement the design as defined for the corridor in the TxDOT documents. The City of Lewisville will participate in the cost of the improvements which are above and beyond those that are to be included within the TxDOT project. This participation will be determined prior to the incorporation of any improvements in the final design/engineering documents for the Lewisville corridor.

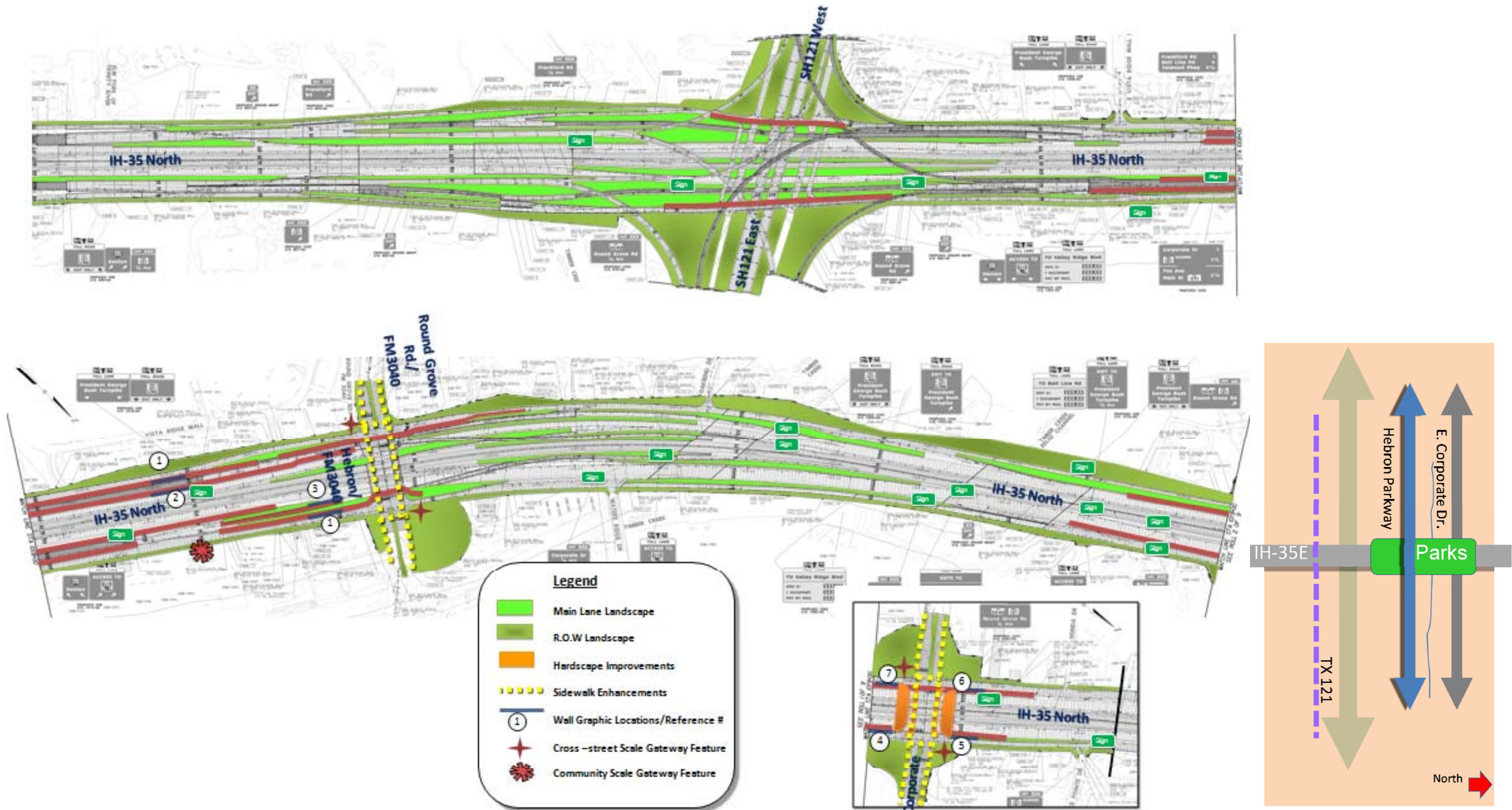




# A. Corridor Plans 1 of 3

## Overview

The following plan illustrations identify the general locations of improvements proposed for the Parks portion of the City of Lewisville IH-35E Corridor Identity Plan.

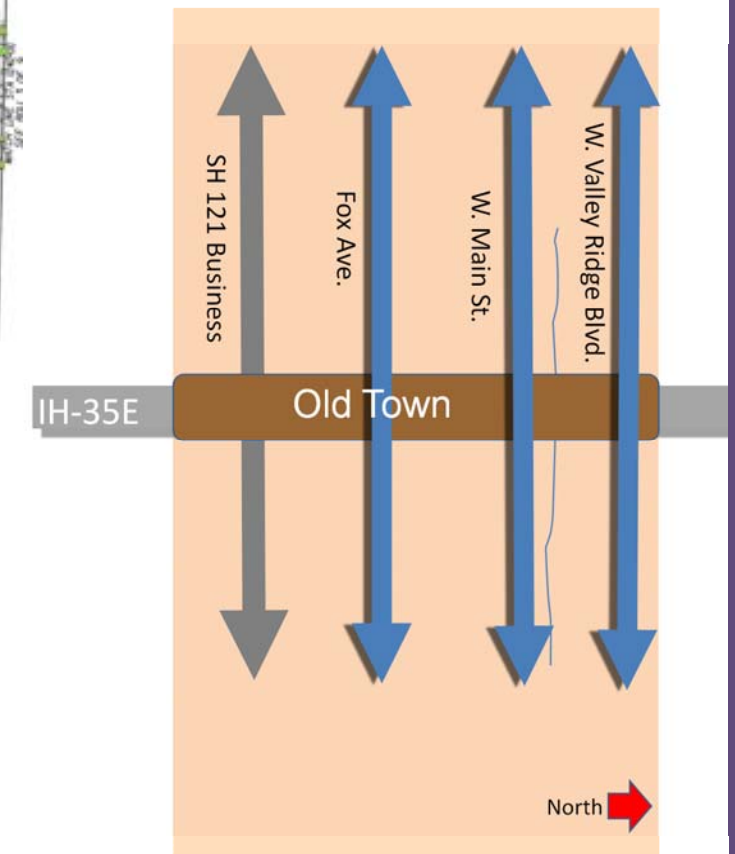
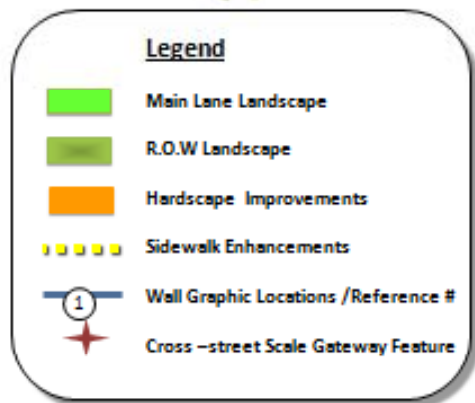




# A. Corridor Plans 2 of 3

## Overview

The following plan illustrations identify the general locations of improvements proposed for the Old Town portion of the City of Lewisville IH-35E Corridor Identity Plan.

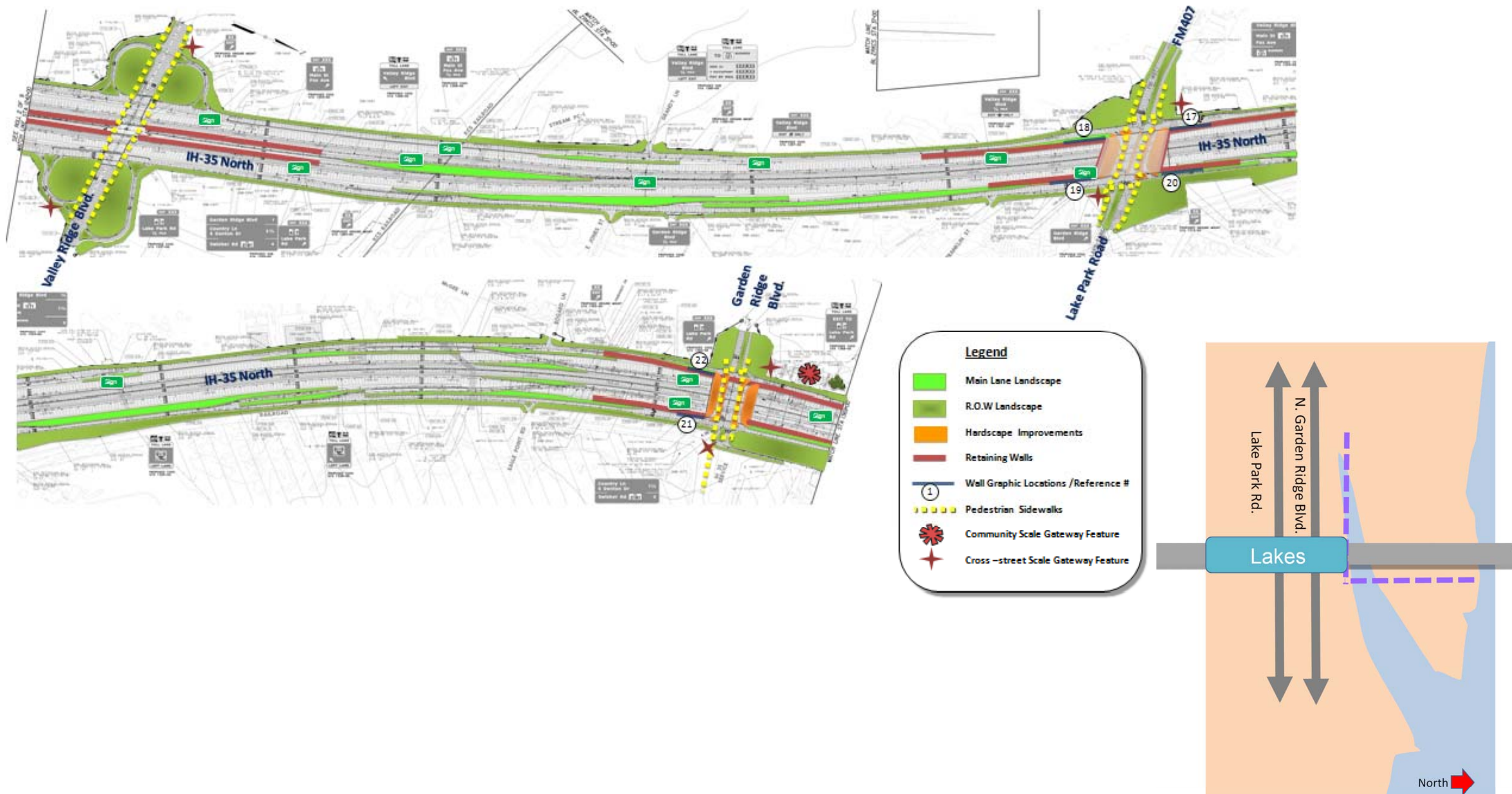




# A. Corridor Plans 3 of 3

## Overview

The following plan illustrations identify the general locations of improvements proposed for the Lakes portion of the City of Lewisville IH-35E Corridor Identity Plan.












## B. Planting Palettes 1 of 3

### Description

As summarized above, the following plant palettes are to be used in the IH-35E corridor for new plantings at Interchanges and associated frontage road right-of-way.









Plant Image	Common Name (Botanical Name)	Install Size	Minimum Spacing	Parks Area	Old Town Area	Lakes Area	Remarks
	Shumard Oak ( <i>Quercus shumardii</i> )	3" Caliper Size Minimum 30 Gallon Container or B&B 14'-16' Height	30' on center				Deciduous Tree – Full Sun, 40-60' height Tolerant of heavy clay soils, drought and urban conditions Exceptional fall color
	Bur Oak ( <i>Quercus macrocarpa</i> )	3" Caliper Size Minimum 30 Gallon Container or B&B 14'-16' Height	30' on center				Deciduous Tree – Full Sun, 60-80' height Drought Tolerant, adaptable to a wide range of soils
	Lacebark Elm ( <i>Ulmus parvifolia 'Drake'</i> )	3" Caliper Size Minimum 30 Gallon Container or B&B 14'-16' Height	30' on center				Semi-evergreen Tree – Full Sun, 30-50' height Tolerant of drought and urban conditions Showy exfoliating bark
	Loblolly Pine ( <i>Pinus taeda</i> )	6'-8' Spread, 12'-14' Height 30 Gallon Container or B&B	20' on center				Evergreen Tree – Full Sun, 90-100' height Drought Tolerant, adaptable to a wide range of soils
	Texas Redbud ( <i>Cercus canadensis var. texensis</i> )	2" Caliper Size Minimum Container or B&B 6'-8' Ht., 8 or more branches	15' on center				Deciduous Tree – Full sun, part shade, 15-20' height Drought Tolerant, adaptable to a wide range of soils Multi-trunk, flowering (pink)
	Mexican Buckeye ( <i>Ungnadia speciosa</i> )	2" Caliper Size Minimum Container or B&B 6'-8' Ht., 8 or more branches	10' on center				Deciduous Tree – Full Sun, part shade, 12-30' height Drought Tolerant, adaptable to a wide range of soils Multi-trunk, flowering (pink)
	Tuscarora Crape Myrtle ( <i>Lagerstroemia indica 'Tuscarora'</i> )	2" Caliper Size Minimum Container or B&B 6'-8' Ht., 8 or more branches	10' on center				Deciduous Tree – Full Sun, 15' height Drought tolerant, adaptable to a wide range of soils Multi-trunk, flowering (red), attractive bark



## B. Planting Palettes 2 of 3

### Description

As summarized above, the following plant palettes are to be used in the IH-35E corridor for new plantings at Interchanges and associated frontage road right-of-way.

Plant Image	Common Name (Botanical Name)	Minimum Install Size	Minimum Spacing	Parks Area	Old Town Area	Lakes Area	Remarks
	Indigo Bush ( <i>Amorpha fruticosa</i> )	3 gallon container 18-24" spread, 18-24" height	5' on center				Deciduous native shrub, 6-10' height & spread Drought Tolerant, adaptable to a wide range of soils
	Wright's Mexican Flame ( <i>Anisacanthus quadrifidus</i> var. <i>wrightii</i> )	3 gallon container 18-24" spread, 18-24" height	4' on center				Deciduous shrub, Full sun – part shade, 3-5' height & 5' spread Drought Tolerant, adaptable to a wide range of soils Flowering (red)
	Autumn Sage ( <i>Salvia greggii</i> )	3 gallon container 18-24" spread, 18-24" height	2' on center				Semi-evergreen native shrub, full sun, 2-3' height & spread Drought Tolerant, does not tolerate poorly drained clay soils Flowering (red)
	Mountain Sage ( <i>Salvia regia</i> )	3 gallon container 18-24" spread, 18-24" height	3' on center				Deciduous Shrub, Part Shade – Shade, 3-5' height Drought Tolerant, adaptable to a wide range of soils Flowering (red) July - October
	Edward Goucher Abelia ( <i>Abelia x grandiflora</i> 'Edward Goucher')	3 gallon container 18-24" spread, 18-24" height	4' on center				Deciduous shrub, full sun – part shade, 3-5' height & spread Medium water requirement, but drought tolerant Flowering (lavender-pink)
	Indian Hawthorne ( <i>Raphiolepis indica</i> 'Snow')	3 gallon container 18-24" spread, 18-24" height	4' on center				Evergreen Shrub, full sun, 3-4' height & 5-6' spread Drought Tolerant Flowering (white)
	Knock-Out Rose ( <i>Rosa</i> sp. 'Knock-Out')	3 gallon container 18-24" spread, 18-24" height	3' on center				Deciduous Shrub, full sun, 3-4' height & spread Requires regular watering. Flowering (Pink)
	Texas Sage ( <i>Leucophyllum frutescens</i> )	3 gallon container 18-24" spread, 18-24" height	4' on center				Deciduous shrub, 3-6' height, 4-6' spread Drought Tolerant, adaptable to a wide range of soils Flowering (lavender-pink)
	Possumhaw ( <i>Ilex decidua</i> )	3 gallon container 18-24" spread, 18-24" height	10' on center				Deciduous shrub, full sun – part shade 7-15' height, 5-12' spread Provide one male plant for every 30 female plants Red berries.



## B. Planting Palettes 3 of 3

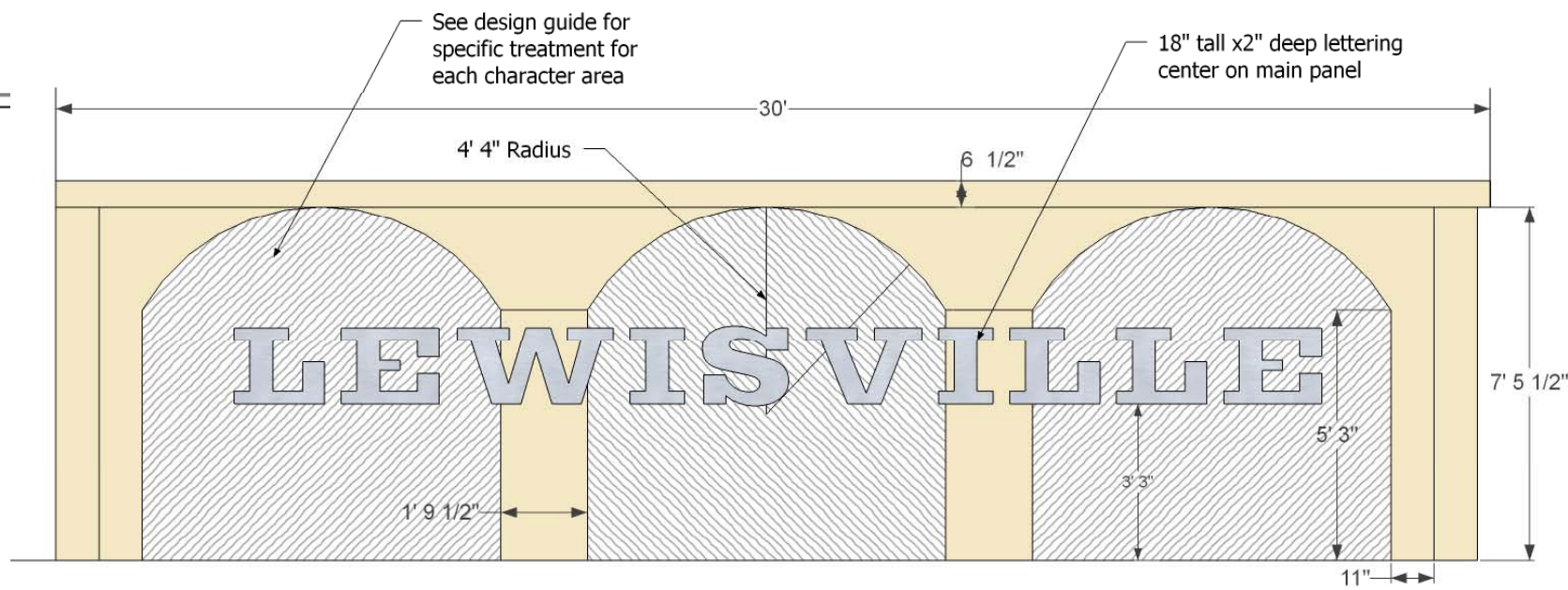
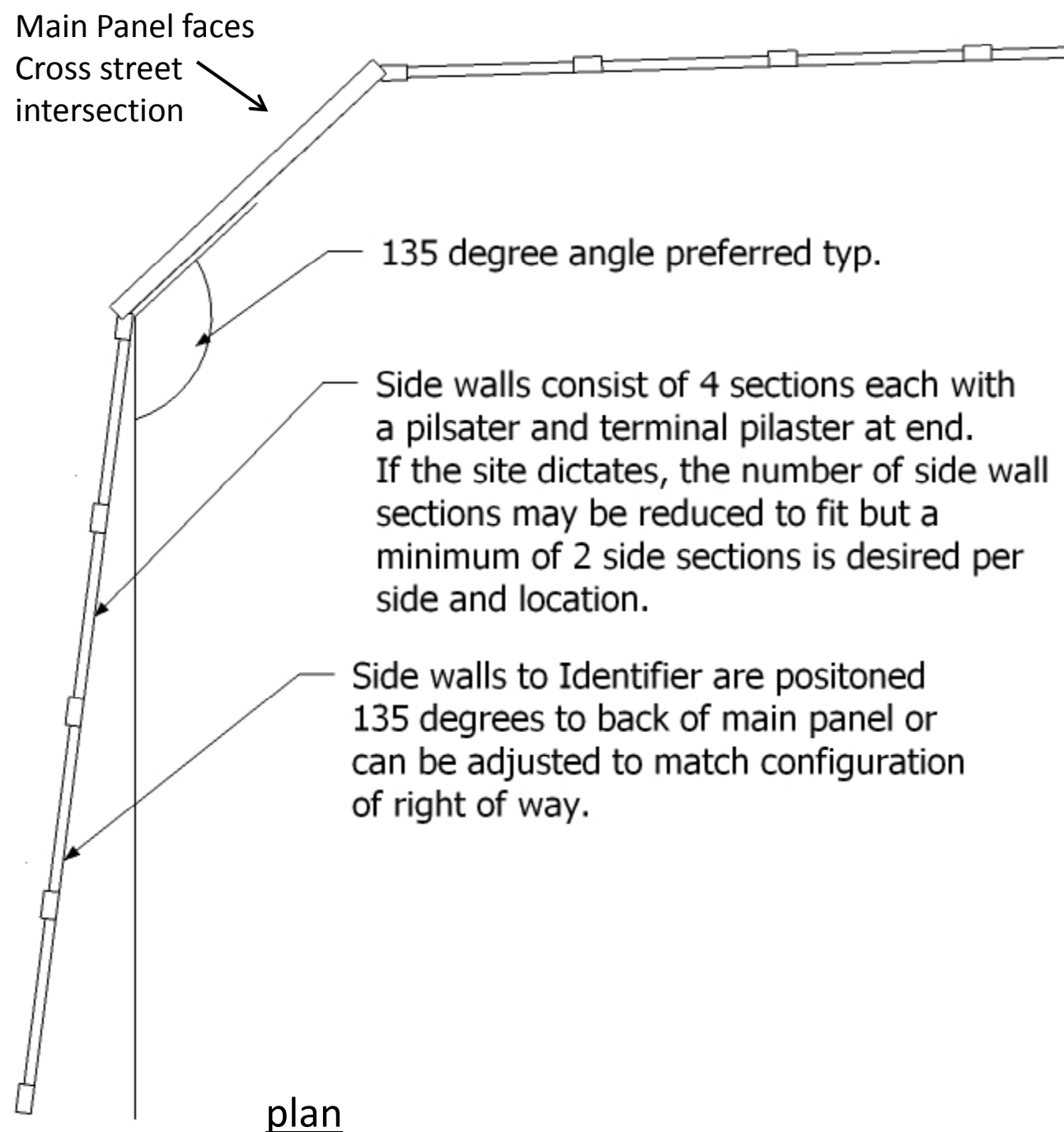
### Description

As summarized above, the following plant palettes are to be used in the IH-35E corridor for new plantings at Interchanges and associated frontage road right-of-way.

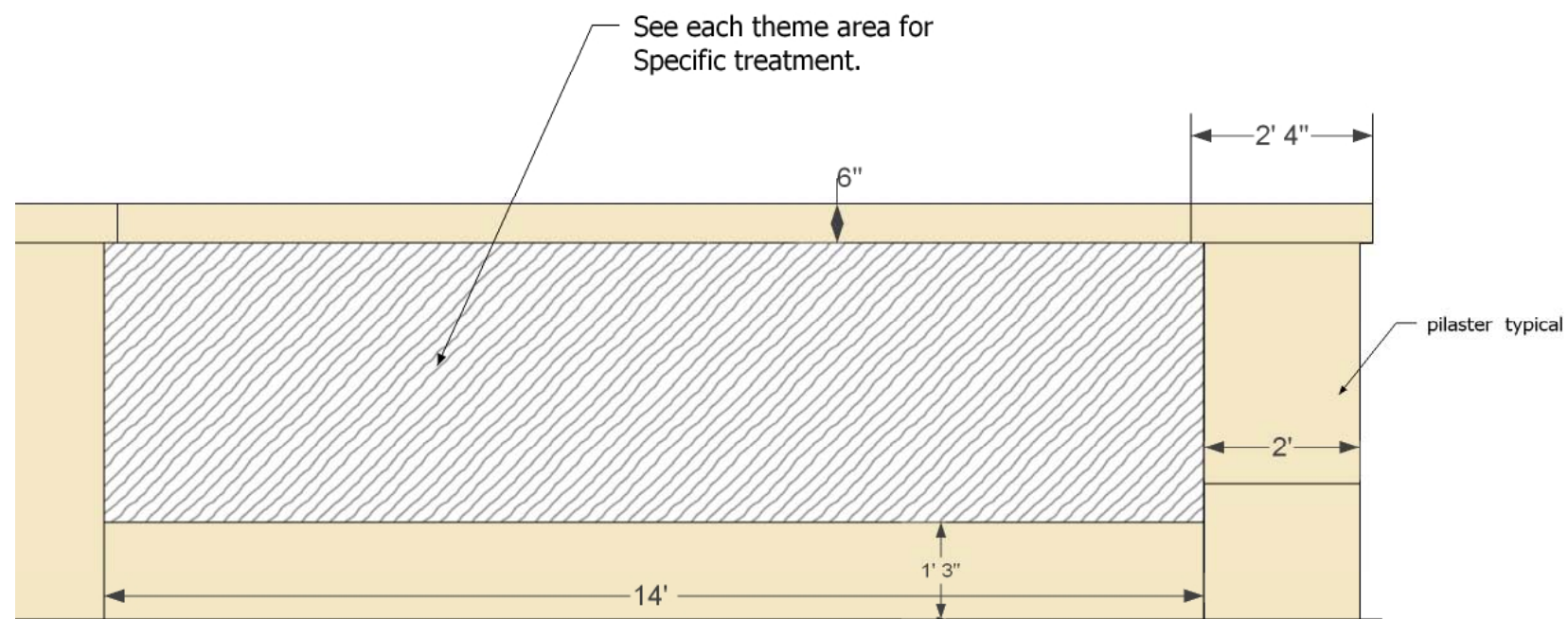
Plant Image	Common Name (Botanical Name)	Minimum Install Size	Minimum Spacing	Parks Area	Old Town Area	Lakes Area	Remarks
	Lindheimer Muhly (Muhlenbergia lindheimeri)	1 gallon, container	18" on center				Native Perennial Grass, full sun, 2-5' tall Drought tolerant, prefers well drained soils, , adaptable to a wide range of soils
	Indian Grass (Sorghastrum nutans)	1 gallon, container	18" on center				Native Perennial Grass, full sun – part shade, 3-8' tall Drought tolerant, prefers well drained soils, , adaptable to a wide range of soils
	Mexican Feather Grass (Nassella tenuissima)	1 gallon, container	12" on center				Native perennial grass, full sun – part shade, 1-3' tall Drought Tolerant, adaptable to a wide range of soils
	Pink Muhly Grass (Muhlenbergia capillaris)	1 gallon, container	18" on center				Native Perennial Grass, full sun, 2-3' tall Prefers moist sandy – sandy loam soil conditions Pink flowers in fall create stunning display
	Lily Turf (Liriope muscari 'Silvery Sunproof')	1 gallon, container	18" on center				Semi-evergreen perennial, full sun – shade 12-18" height and spread. Drought Tolerant, adaptable to a wide range of soils Flowering (lavender), blooms mid-summer - fall
	Spreading Juniper (Juniperus horizontalis 'Youngstown')	3 gallon container	3' on center				Evergreen groundcover, full sun, 1' height, 6' spread Drought Tolerant, adaptable to a wide range of soils
	Engelmann's Daisy (Engelmannia persistenia)	1 gallon, container	12" on center				Native perennial, 2' tall, full sun Drought Tolerant, adaptable to a wide range of soils Flowers (Yellow), blooms well even in drought conditions. Blooms March - July
	Purple Coneflower (Echinacea purpurea)	1 gallon, container	18" on center				Native perennial, 2-3' tall, full sun – part shade Drought Tolerant, adaptable to a wide range of soils Long lasting flowers (Purple) , Blooms April - September



# C. Cross-Street Gateway



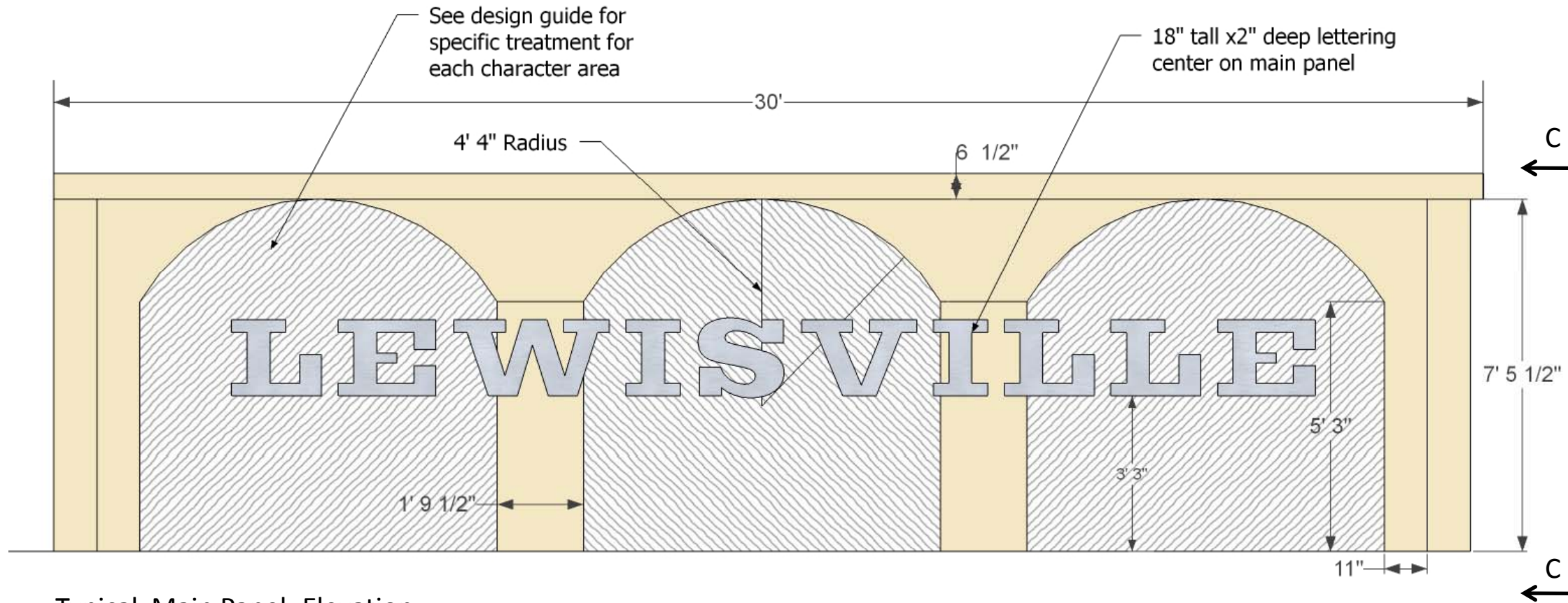
Typical Main Panel-Elevation



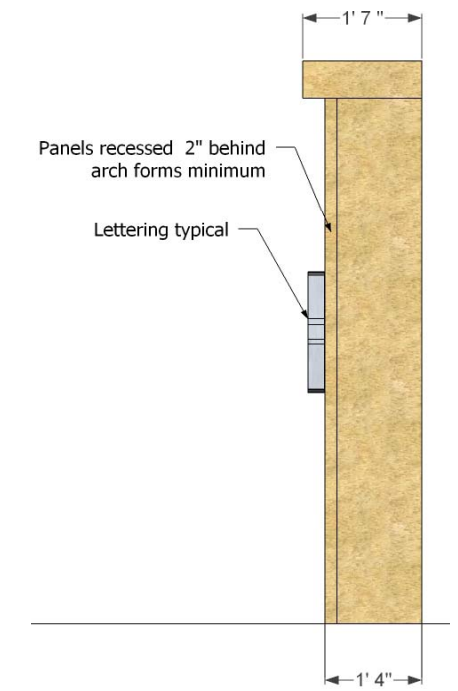
Typical Side Wall Panel- Elevation



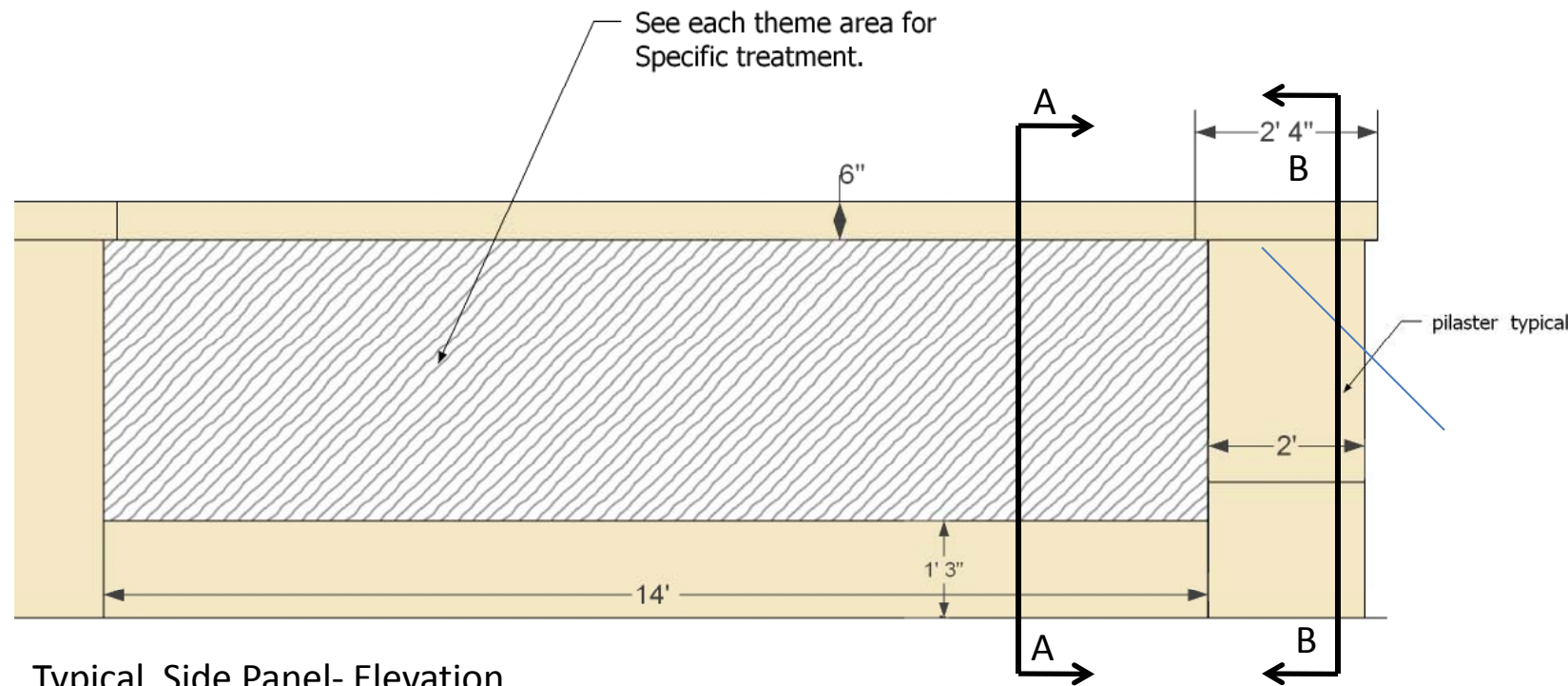
# C. Cross-Street Gateway



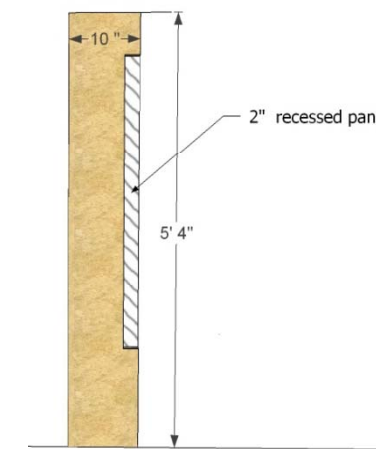
Typical Main Panel- Elevation



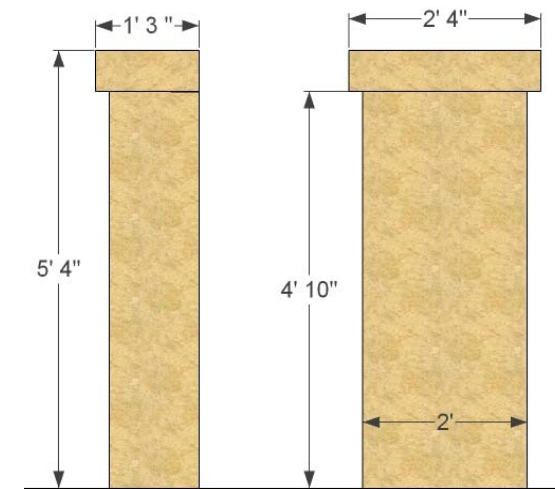
Section C-C



Typical Side Panel- Elevation



Section A-A



Section B-B

Pilaster Elevation