



SOUTH ST. UNDERPASS

Architectural Enhancements - Alternative B

M I G **ATKINS** **City of Louisville**

Public Open House - June 2013



SOUTH ST. UNDERPASS

Architectural Enhancements - Alternative B



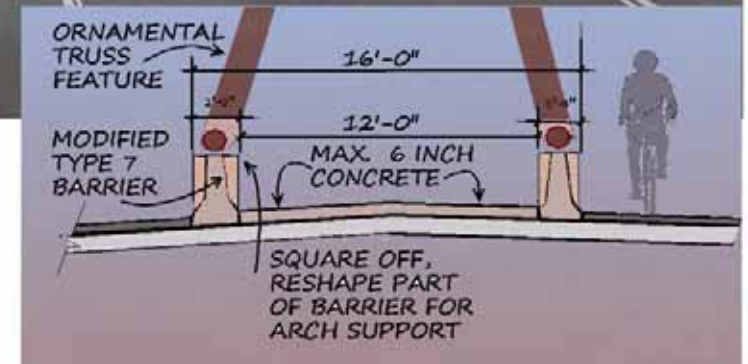
SOUTH ST. UNDERPASS

Landscape Concept

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US 36 Northbound View
of the McCaslin Bridge



McCaslin view of median walkway and bow truss basket handle arch

Arch is anchored to
foundations integrated into
median barriers north and
south of bridge abutments.

Bridge and Landscape Enhancements

McCaslin Boulevard /US 36
Interchange



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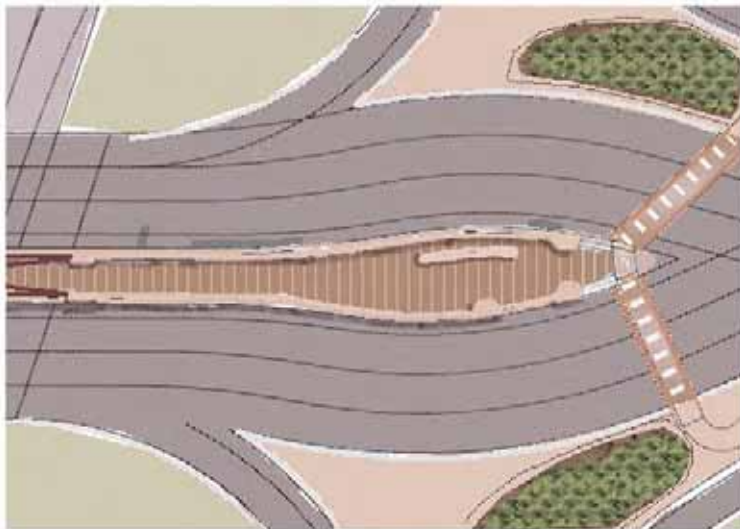
McCaslin Boulevard view of bridge approach



-North and south views similar

-Basket handle double arch bow truss ends are near bridge abutment

-Median walkway ends are focal streetscape features. Some enhancement of pavements bus stop and barriers termini should be considered.

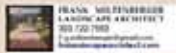


Plan showing the widened bus stop area.



Possible sculptural Bus Shelter

Bridge and Landscape Enhancements
McCaslin Boulevard /US 36 Interchange



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Bird's eye view of ramp intersection.

Both off ramps will be similar.

The irrigated urban landscape is focused at this streetscape area. Some irrigated lawn and street trees with shrub beds will frame this space.

Traffic islands, median islands have warm reddish brown textured patterned concrete with raised beds in locations that don't interfere with important sight lines.

Native seeding, grasses and forbs

Irrigated lawn grasses

Grit zone french drain along ramp edge where there is no curb, see sheet 7



Streetscape Enhancements

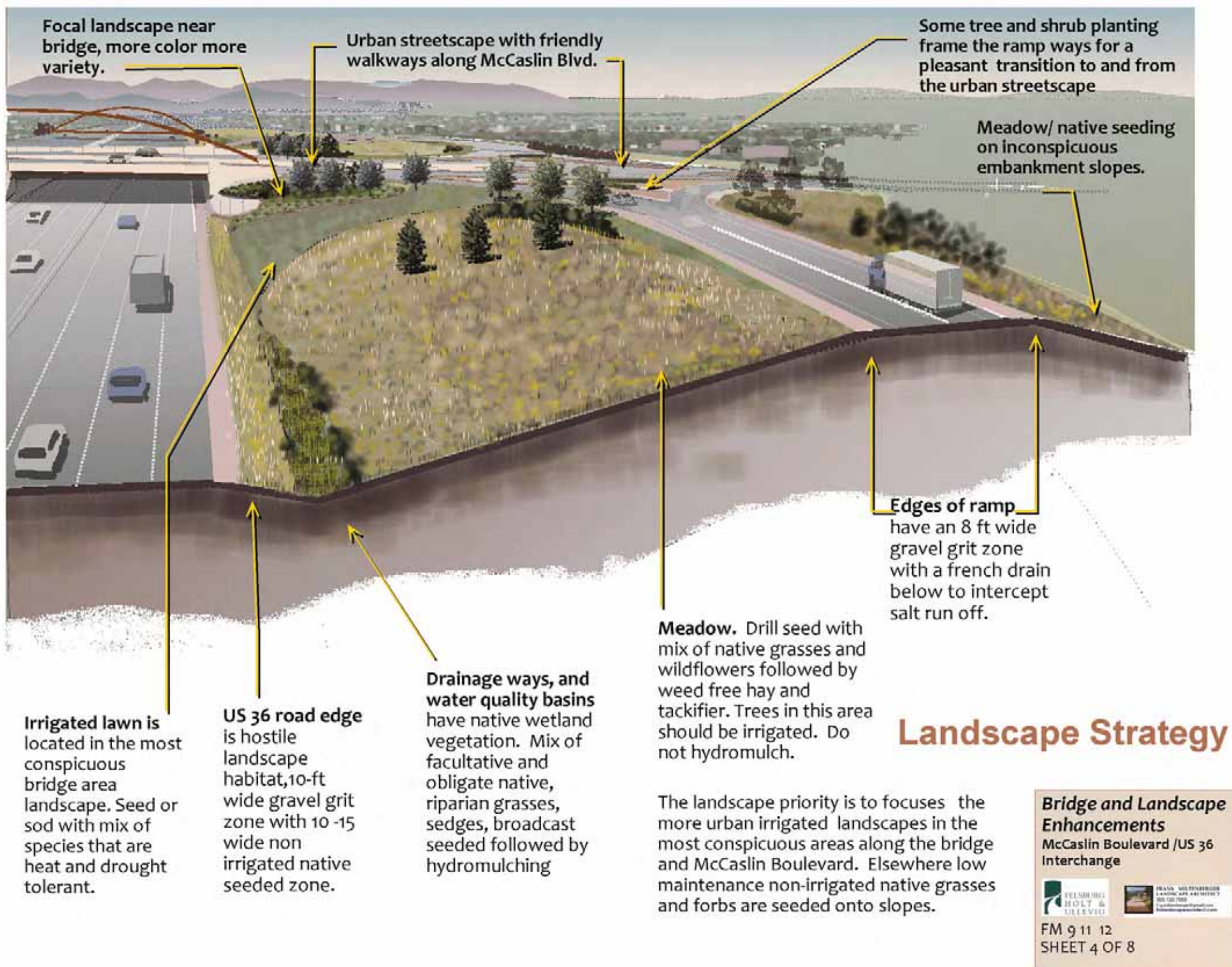
Another bird's eye view of ramp intersection area showing the bridge approaches, enhanced paving crosswalks, and traffic islands. Final layout of raised planted areas should avoid interference with important motorist and pedestrian crossing sight lines.

Bridge and Landscape Enhancements

McCaslin Boulevard /US 36 Interchange



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Interchange Landscape

Diagrammatic
landscape plan

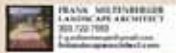
Most interchange landscape enhancements are focused around the bridge and the ramp intersections. Elsewhere most of the landscape is native seeded with few new trees, shrubs or irrigation.

Because of the extent of regrading for ramps on the west side of the interchange only a few of the existing trees will likely remain.

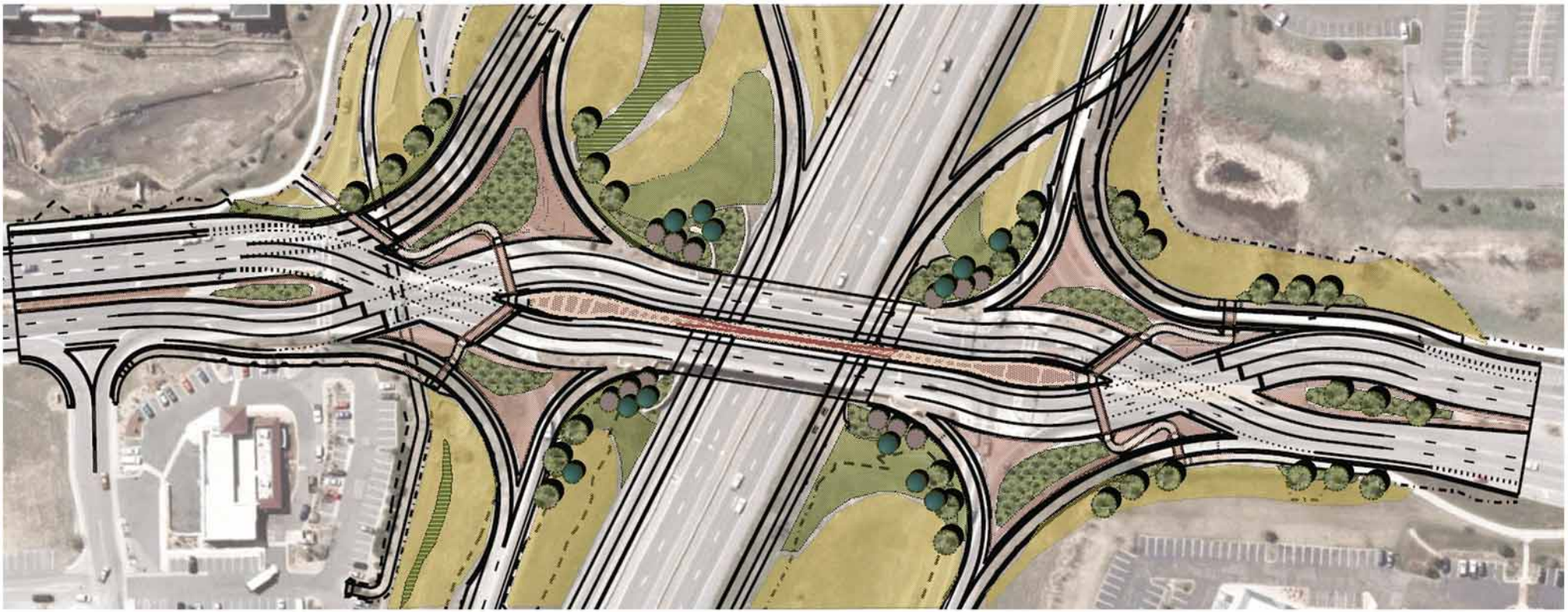


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Bridge and Landscape Enhancements
McCaslin Boulevard /US 36 Interchange



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Enhanced pavements
for median islands and
crosswalks

Irrigated Lawn

Native seeding non
irrigated

Drainage way
water quality
plantings

Major shrub beds

Trees, deciduous,
evergreen,
ornamental



**Large Deciduous Tree
species 2 ½ inch caliper**
Celtis occidentalis,
Gleditsia triacanthos,
Quercus macrocarpa,

**Evergreen Tree species;
8 ft ht.**
Pinus nigra, Picea
pungens, Pinus edulis,

**Small Deciduous Tree
species 2 ½ inch caliper**
Crateagus crugalli,
Malus sargentii,
Prunus americana,

Shrubs, No. 5 cont.
Rhus trilobata,
Ribes cereum
Cornus sericea
Rosa woodsii
Prunus virginiana
melanocarpa.
Prunus besseyi Pawnee
buttes.
Juniperous sabina.
Perovskia artiplicifolia,

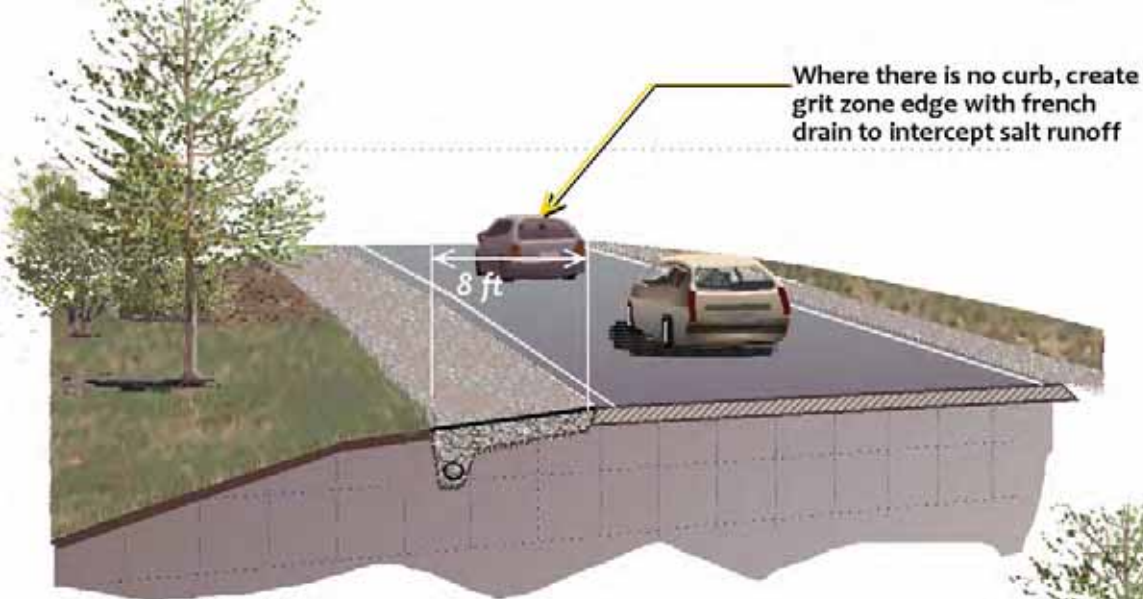
**Ground covers
perennials No. 1 Cont.**
Ornamental grasses.
Daylillies, Mahonia
repens

PLANT SPECIES

**Bridge and Landscape
Enhancements**
McCaslin Boulevard /US 36
Interchange



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Lawn or native grasses

Ramp Edge Landscape

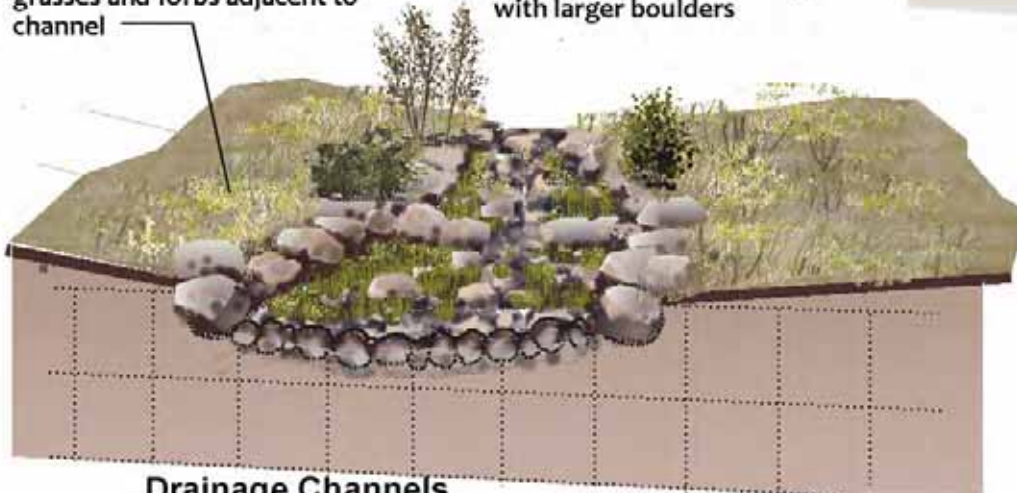
Landscape Details

Cross section showing patterned concrete and raised planters



Native seeding, wetland grasses and forbs adjacent to channel

Buried rip rap channel edged with larger boulders



Drainage Channels

US 36 Edge Landscape

Where applicable Concrete channel, or water quality basin for low flows.

Bridge and Landscape Enhancements

McCaslin Boulevard /US 36 Interchange



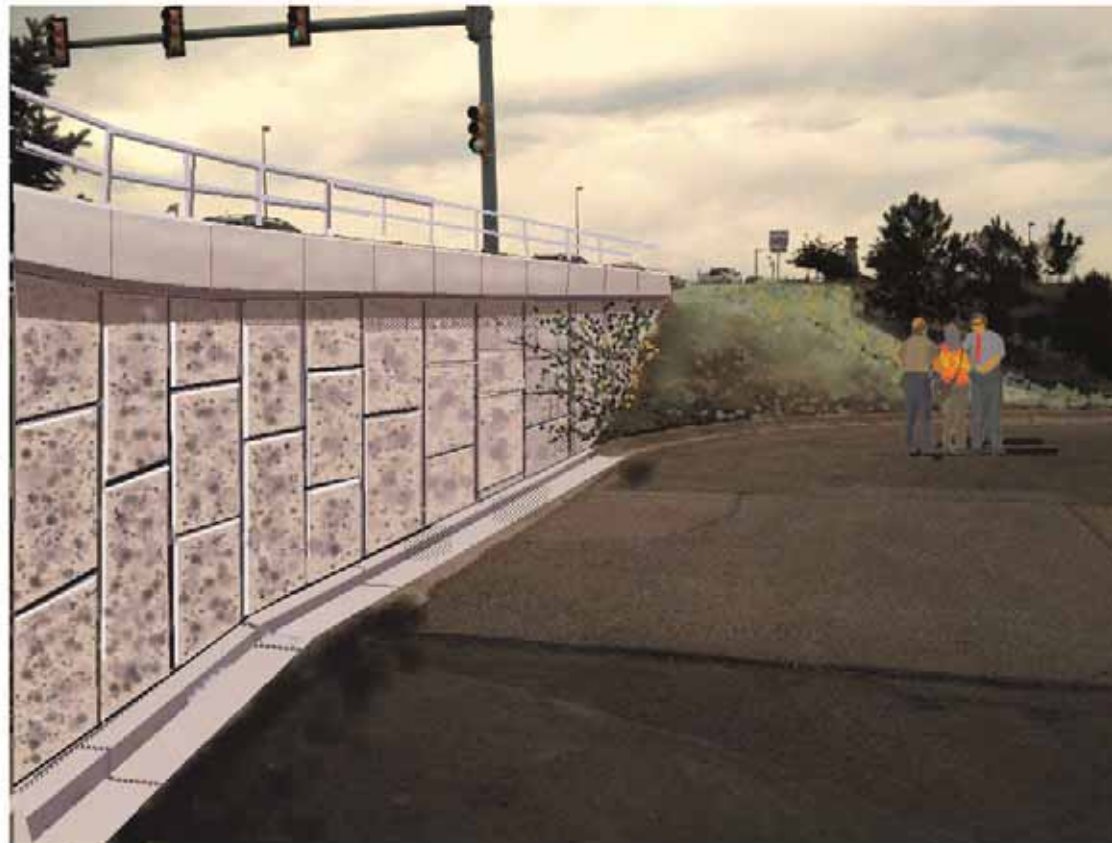
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Retaining Walls

Retaining walls are needed in various parts of this interchange. Some are conspicuous to US 36 traffic while others are more like backdrops to the nearby businesses that abut the right of way edge. The finishes for the wall should have coarse split face like texture to deter graffiti and to support vines planted at the base of the wall in landscape areas. Surface relief variation should be at least 1 ½ inches and color a light sand or beige. An MSE, (Mechanically Stabilized Earth) wall is shown here. A cast in place wall might have a similar texture although the joint pattern could be different from this example.



Sketch, view of the westbound on ramp as seen from US 36. Retaining walls will be on both sides of the ramp at this location.



View to the northwest showing proposed retaining wall near Brakes Plus. The interchange ramp intersection is above and beyond the top of the wall.

Bridge and Landscape Enhancements
McCaslin Boulevard /US 36 Interchange



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