Wasena Bridge







Roanoke City Council December 5, 2016



AGENDA

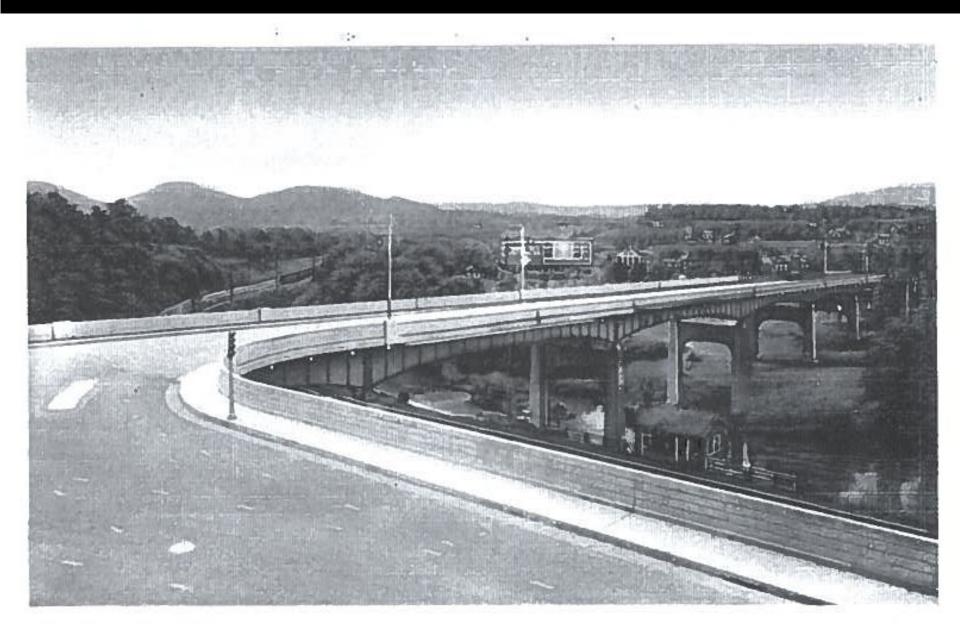
- 1. BACKGROUND and CONTEXT
- 2. STRUCTURAL SYSTEM
- 3. LAYOUT
- 4. ENSEMBLE

Wasena Bridge Context





Hill Studio



The current Wasena Bridge was constructed in 1938-1939 as a Federal Emergency Administration of Public Works Project and replaced the earlier steel bridge built by the Wasena Land Company in 1912.



The Wasena Bridge retains a high level of integrity and contributes to the Wasena Historic District as the primary transportation link to the original City of Roanoke and its downtown.

















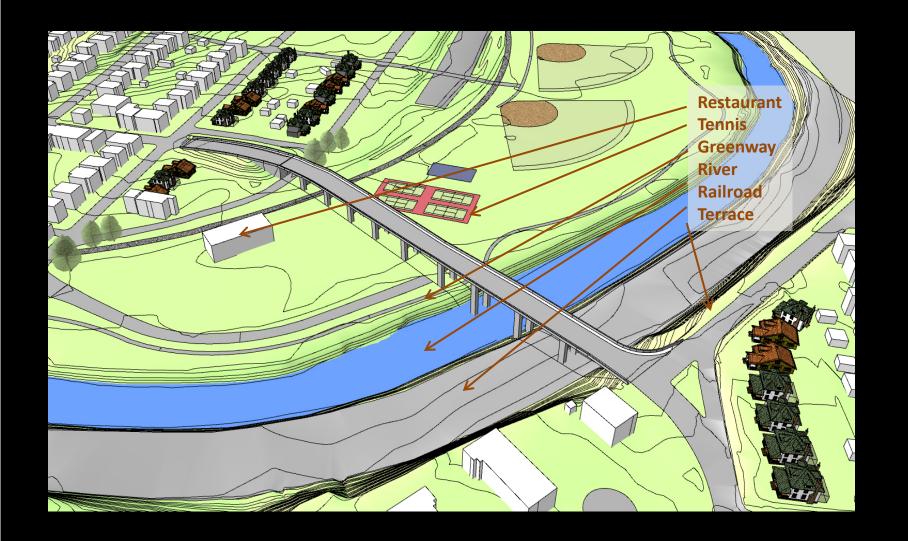


Houses, walkways, motorists all enjoy views to the mountains over the current bridge





Flat Deck of current bridge allows views to the mountains





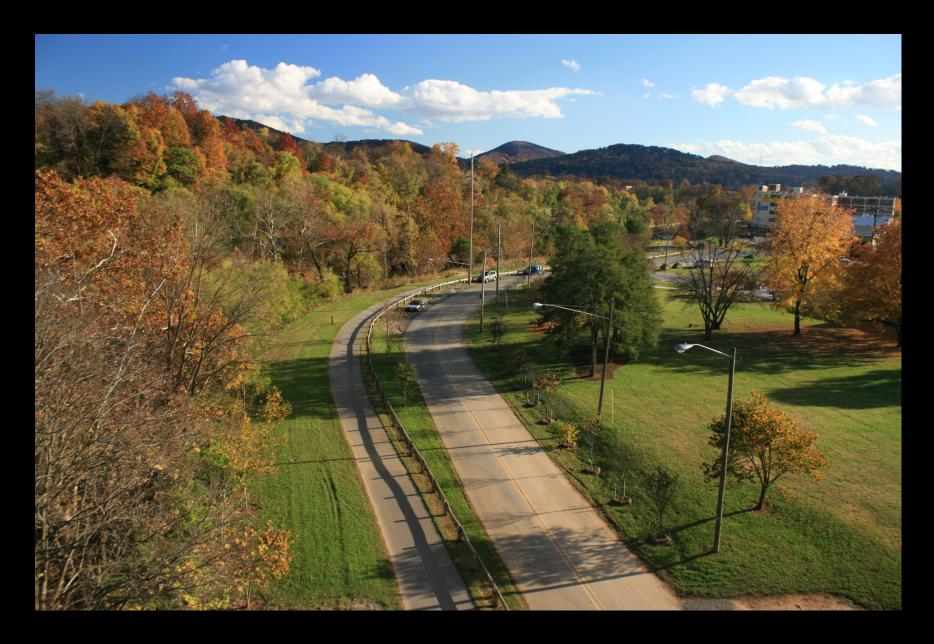








Current Bridge: Treehouse Character of Pedestrian and Bicycle Facilities





















Qualities: Visual Quality for New Residential and Commercial Development

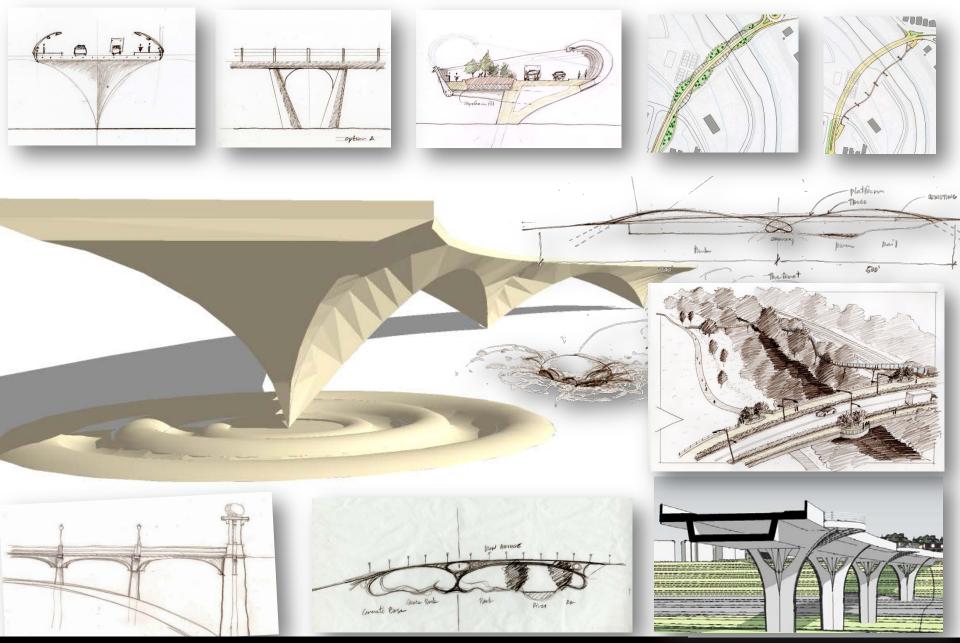


Qualities: Gateway to Neighborhood Commercial



STRUCTURAL CONCEPT

PRECAST POST-TENSIONED ARCH SPAN BRIDGE



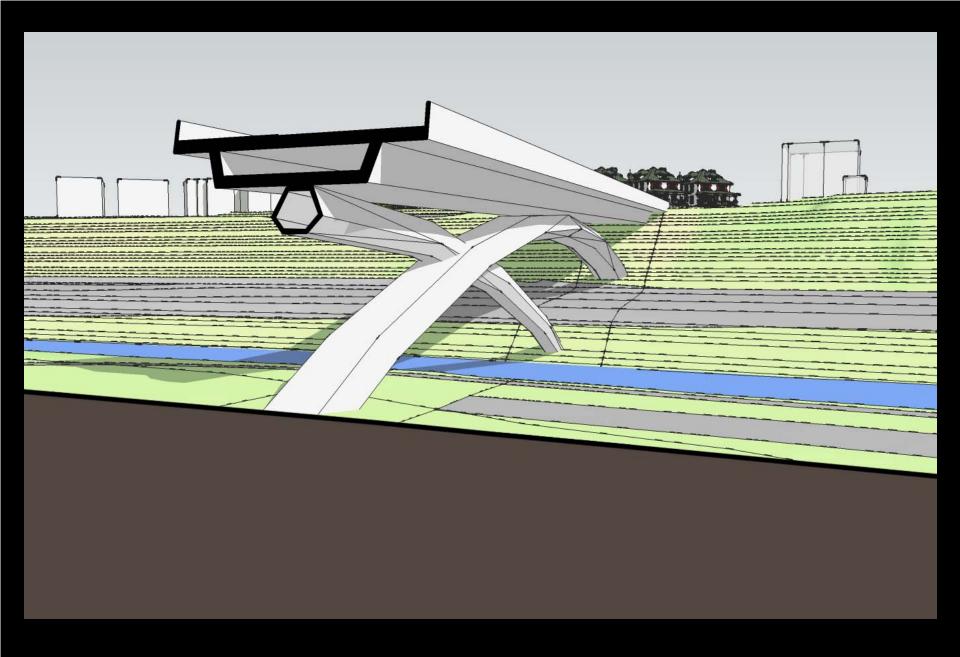




PRECAST POST-TENSIONED ARCH SPAN BRIDGE







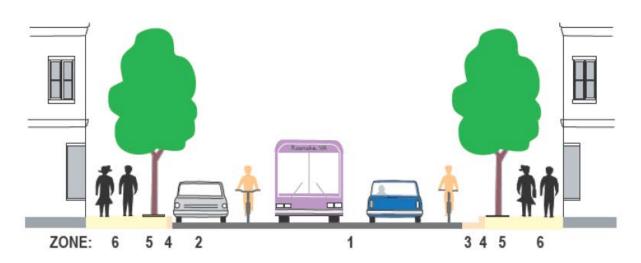


LAYOUT

3

Preferred Multimodal Options for

Downtown Character District Collector Streets Village Center Character District "Main Streets"



DV (2b)

Zone 1: Travel - 30' (5'/11'/11'/3') striped bicycle lanes

Zone 2: Parking - 7'

Zone 3: Gutter/Drainage - 2'

Zone 4: Curb - 1'

Zone 5: Planter/Utilities - 8'

Zone 6: Pedestrian - 12'

Zone 7: ROW Edge - 0'

Total ROW: 60'





Conceptual Plan: Curved Alignment Corresponds to Village Character District





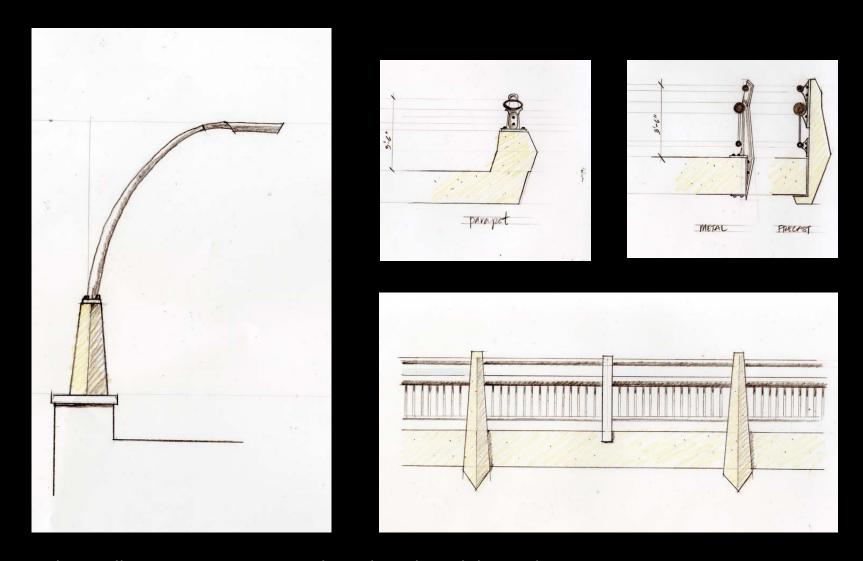
Conceptual Plan: Curved Alignment Corresponds to Village Character District





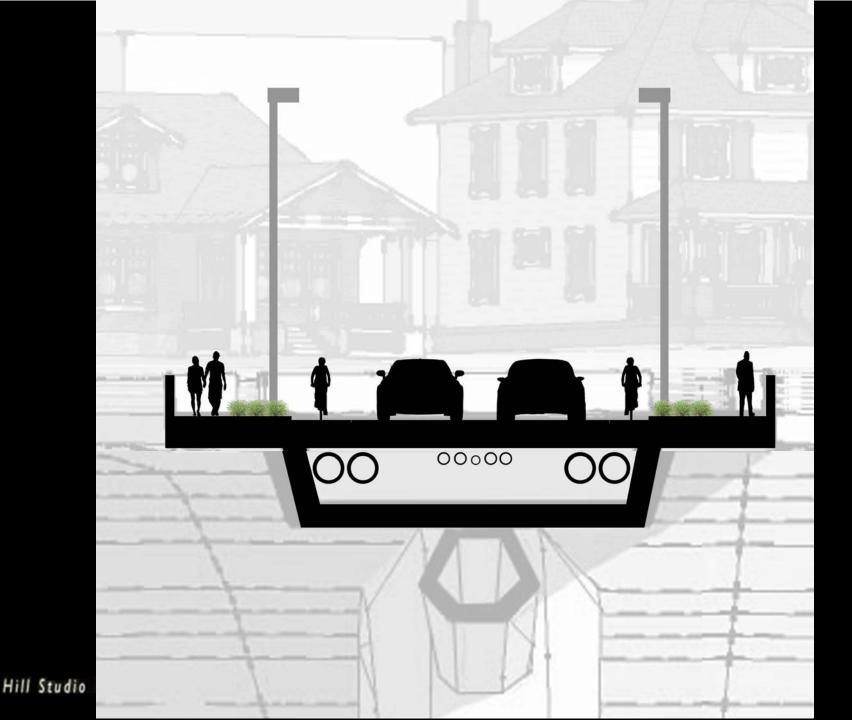
ENSEMBLE

ROUNDABOUT
SECTION
GREENWAY OPTIONS
RAILINGS
LIGHTING
INTERPRETIVE
OPPORTUNITIES
GREEN DESIGN
NIGHT VIEWS



Lights to illuminate Greenway and Road, High Visibility Railings



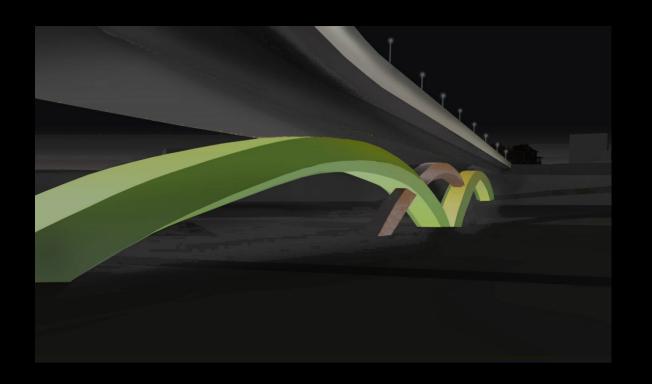








Bridge at Night









Houses, walkways, motorists all enjoy views to the mountains over proposed bridge



View along Greenway and River







The Wasena Bridge

Wasena Bridge







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