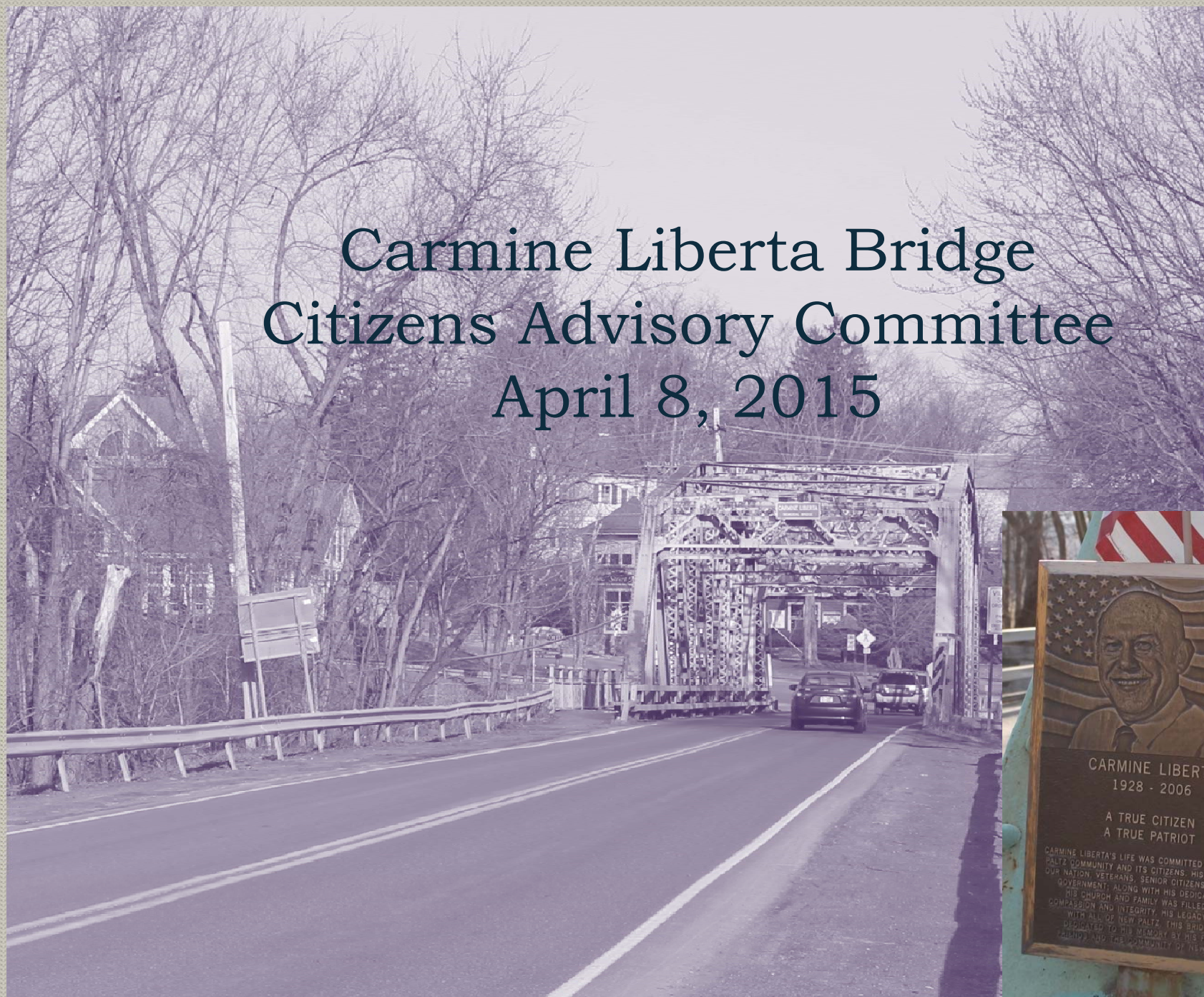


# Carmine Liberta Bridge

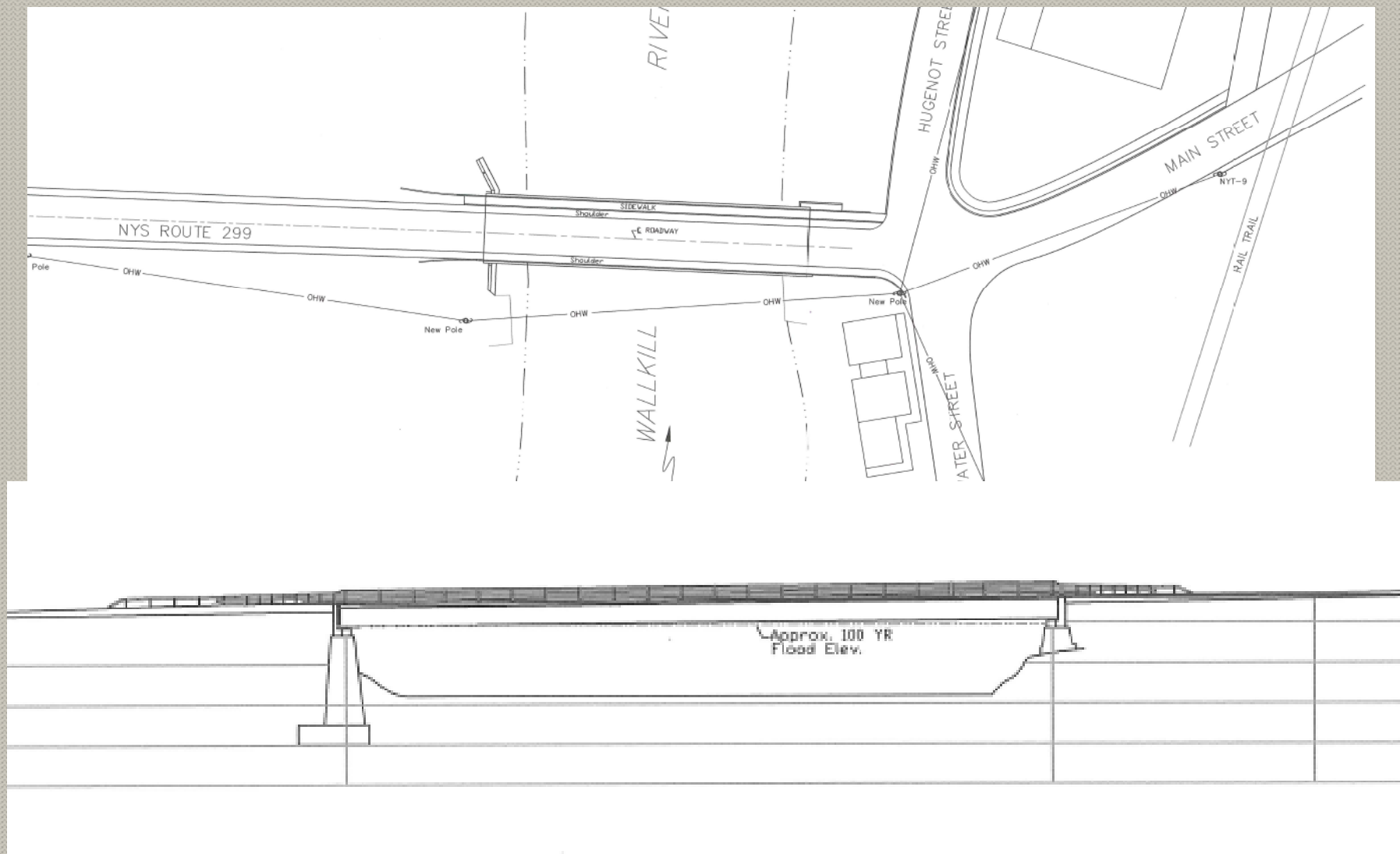
## Citizens Advisory Committee

April 8, 2015

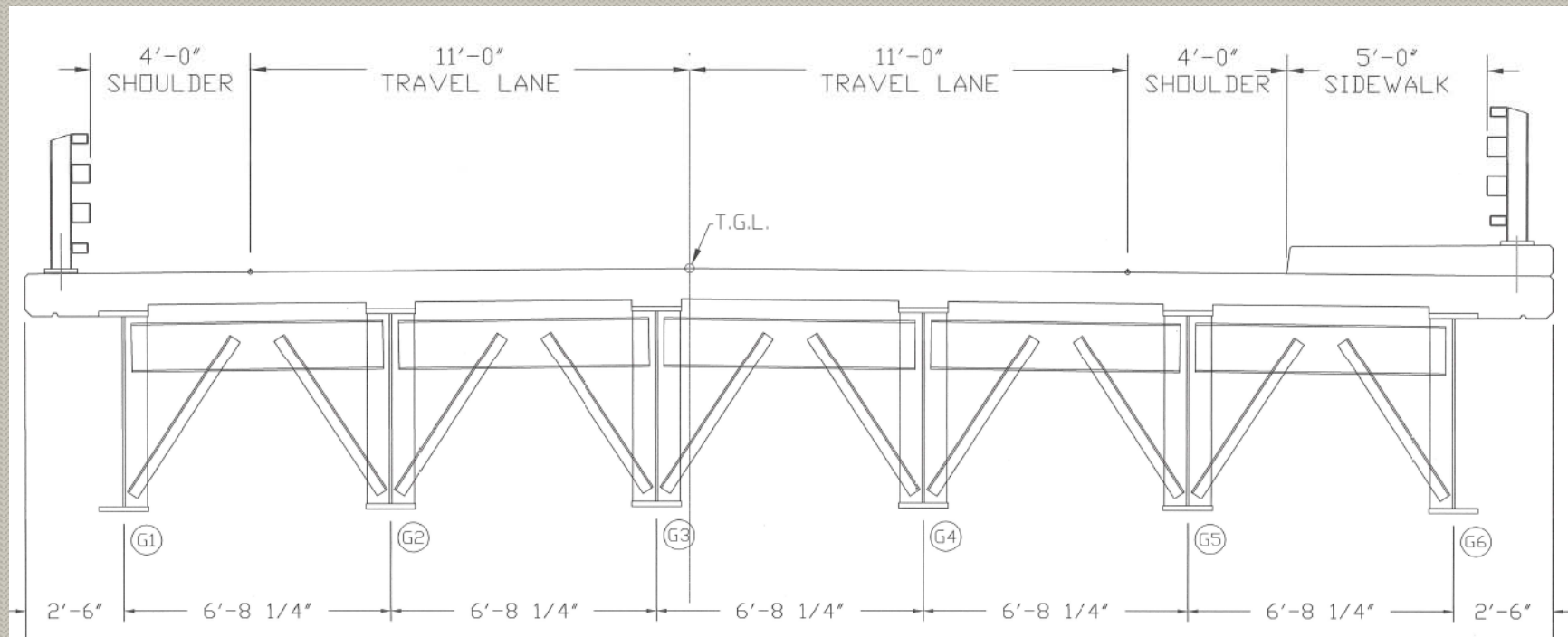




# Girder Span - Plan View



# Girder Span - Section View





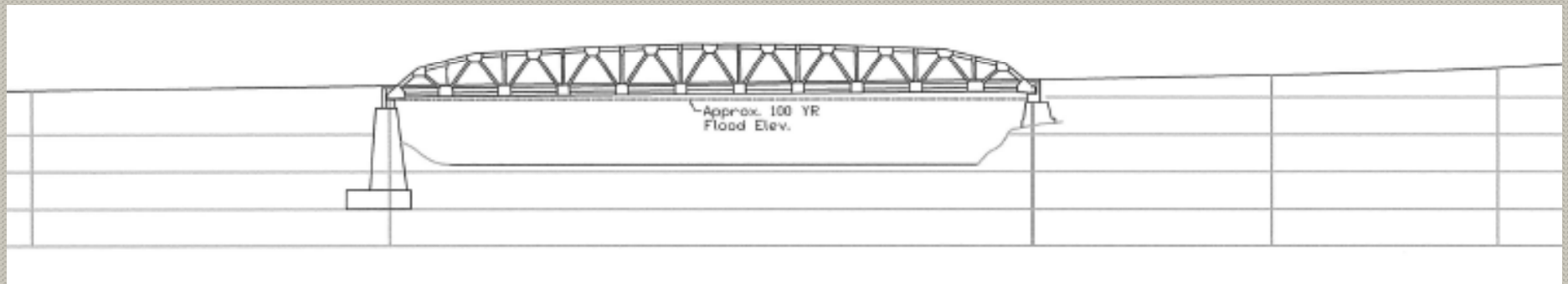
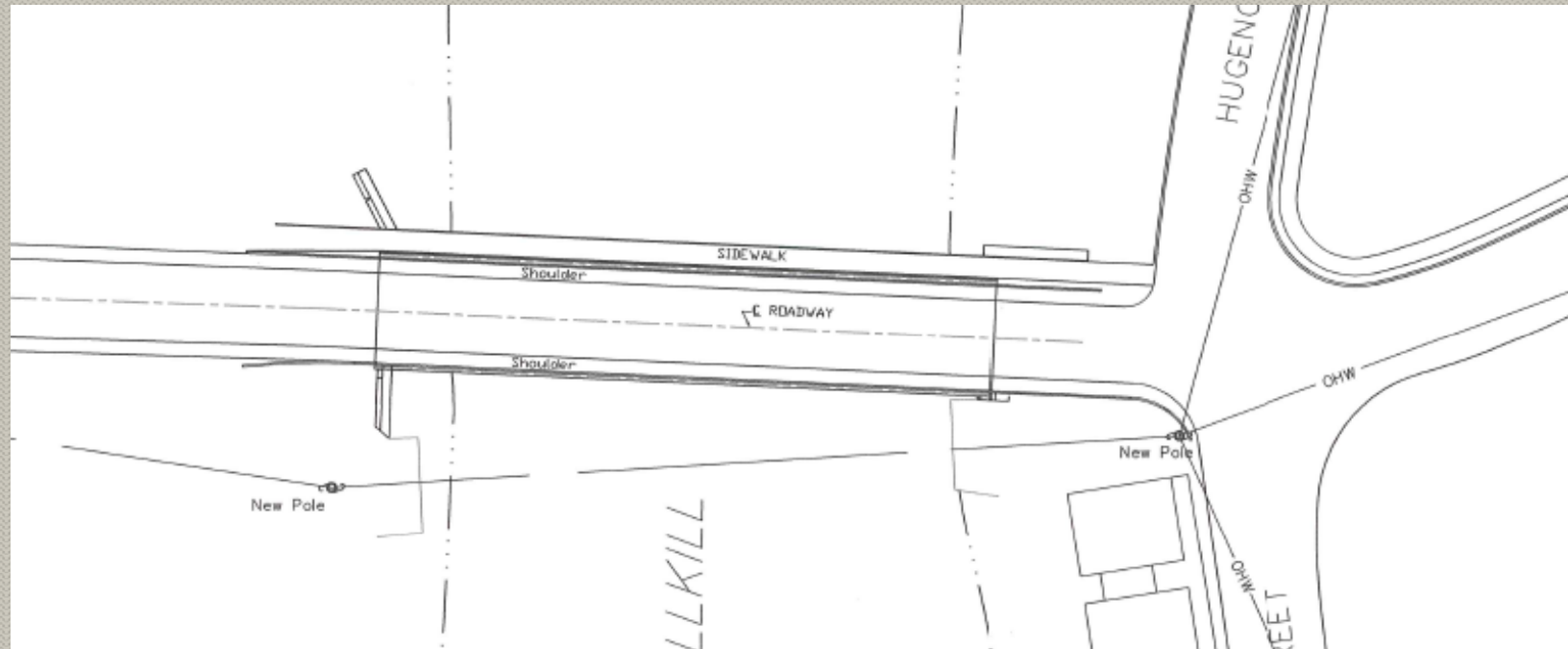
# Kerhonkson Bridge – Girder 5' sidewalks 2/3' shoulders. ornamental rail

---



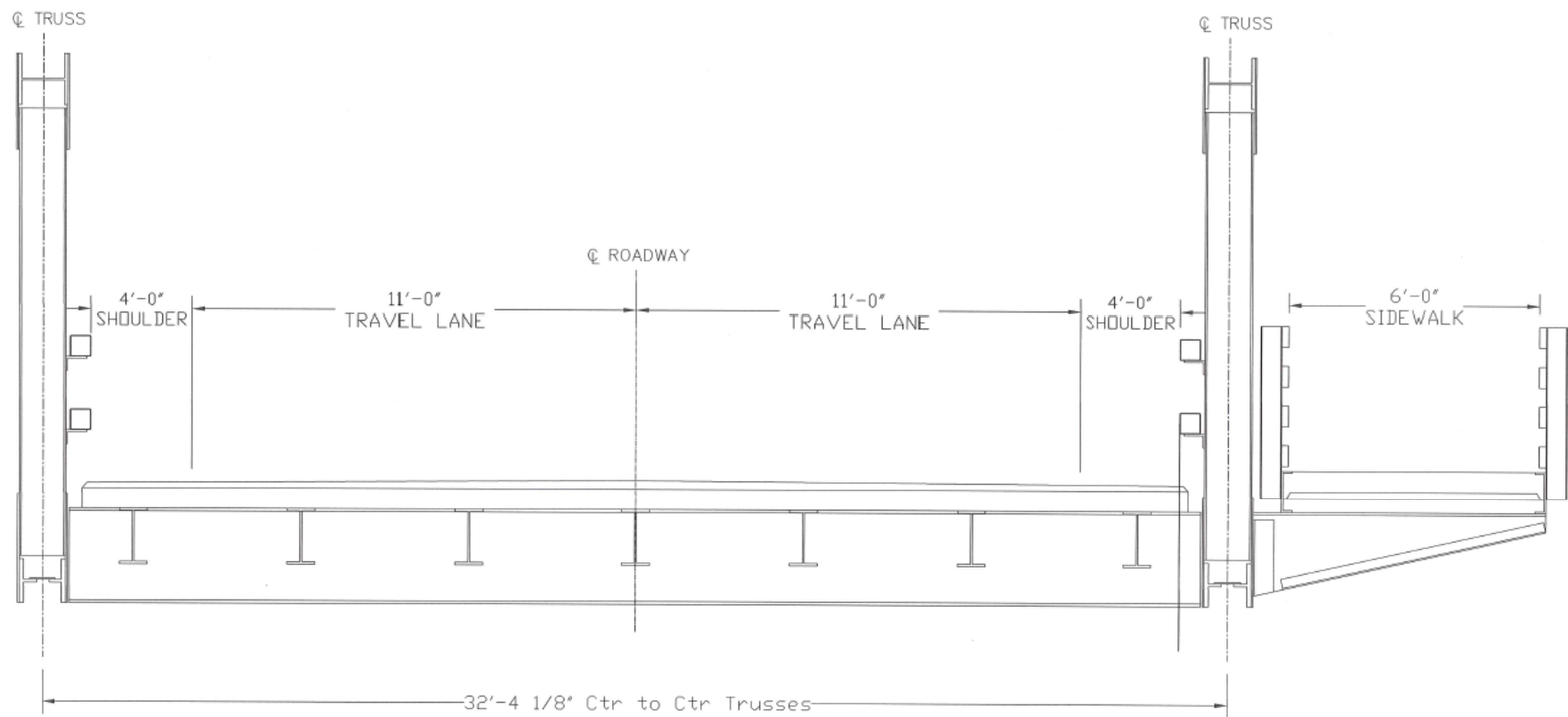


# Truss Span – Plan View





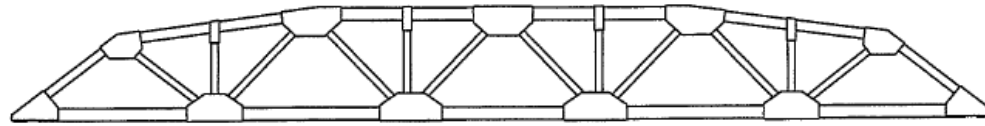
# Truss Span – Section View





### THE CAMBRIDGE

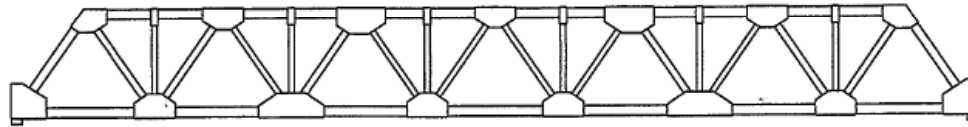
Traditional  
American design.



CLEAR SPAN UP TO 200'

### THE CAMBRIDGE FLAT

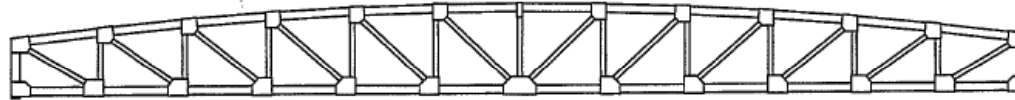
Distinguished  
variation of traditional  
American design.



CLEAR SPAN UP TO 200'

### THE VIKING

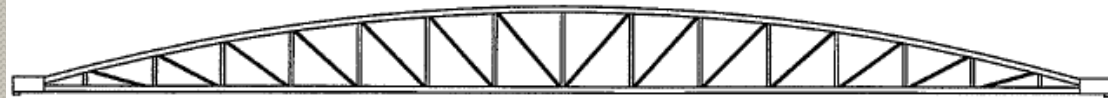
Smooth lines  
provide a clean,  
contemporary design.



CLEAR SPAN UP TO 200'

### THE SENECA

Complements any  
landscape as a vehicular  
or pedestrian bridge.

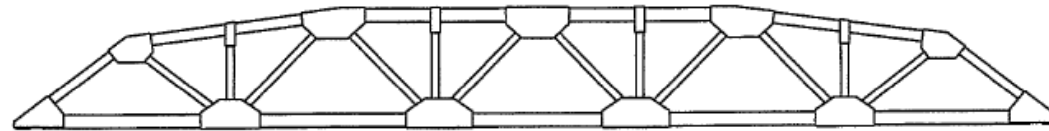


CLEAR SPAN UP TO 250'





**THE CAMBRIDGE**  
Traditional  
American design.



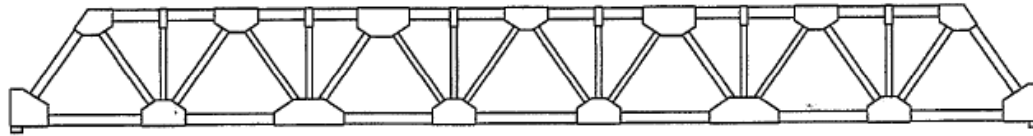
CLEAR SPAN UP TO 200'





## THE CAMBRIDGE FLAT

Distinguished  
variation of traditional  
American design.



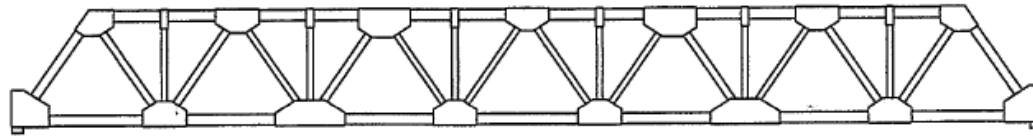
CLEAR SPAN UP TO 200'





## THE CAMBRIDGE FLAT

Distinguished  
variation of traditional  
American design.



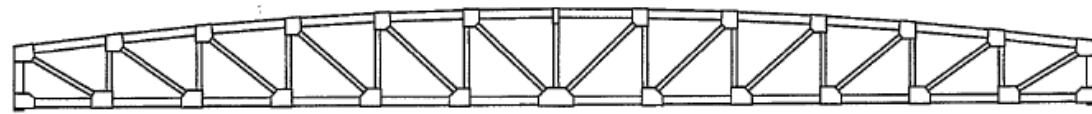
CLEAR SPAN UP TO 200'





### THE VIKING

Smooth lines  
provide a clean,  
contemporary design.



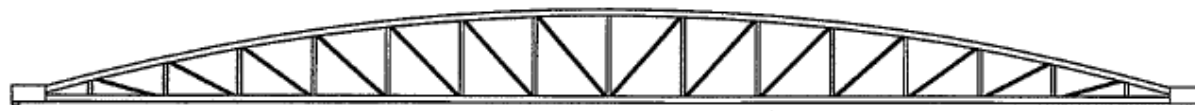
CLEAR SPAN UP TO 200'











CLEAR SPAN UP TO 250'

### THE SENECA

Complements any landscape as a vehicular or pedestrian bridge.





# Cambridge - weather steel, side walk, decorative railings, lighting

---









## Cambridge – Note Railings and Lighting

---





# Existing Bridge Railings





## Bridge Railing Systems





## Bridge Railing Systems





## Bridge Railing Systems





## Bridge Railing Systems





## Existing Bridge Abutments & Approaches





# Existing Bridge Abutments & Approaches





## Bridge Abutments & Approaches





## Bridge Lighting





# Bridge Lighting



CLP



CMP



COL - Colonial



CTR



CTS



LCB



LCC



LCCA



LCD



LCF



LCG



LCGR



LCGS



LCH



LCJ



LCJO



LCK



LCKM



LCM



LCN



LCR





# Bridge Lighting



DSAP



DSAR



DSARB



DSC



DSCP



DSCR



DSCRB



DSD



DSDP



DSDR



DSH



DSHR



DST



DSTP



DSTR



LCAC



LCAD



LCG



LCGR



LCGS

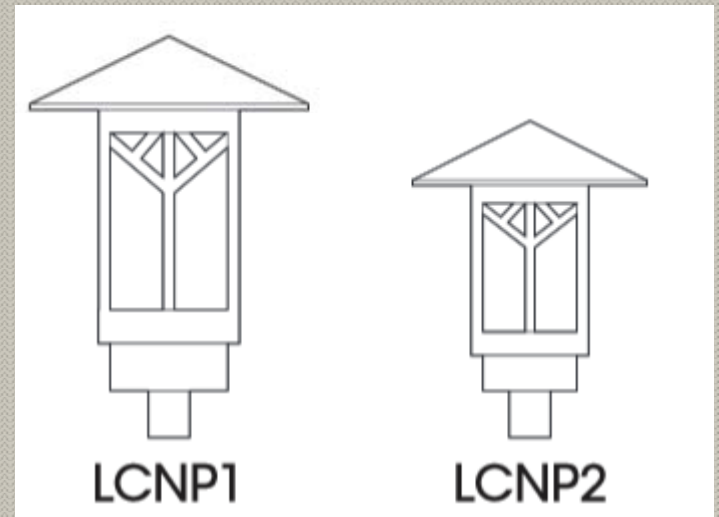


LCSC





## Bridge Lighting





## Bridge Lighting





# Pedestrian Bridges

---





# Pedestrian Bridges



## H-Section Floor Beam

For bridge spans up to 240' (73.1 m), the H-Section is often selected by designers seeking the most efficient superstructure. This parallel chord truss design has its floor beams welded to vertical members of the side trusses. As with all styles, the H-Section can be created with additional camber for a more graceful look.





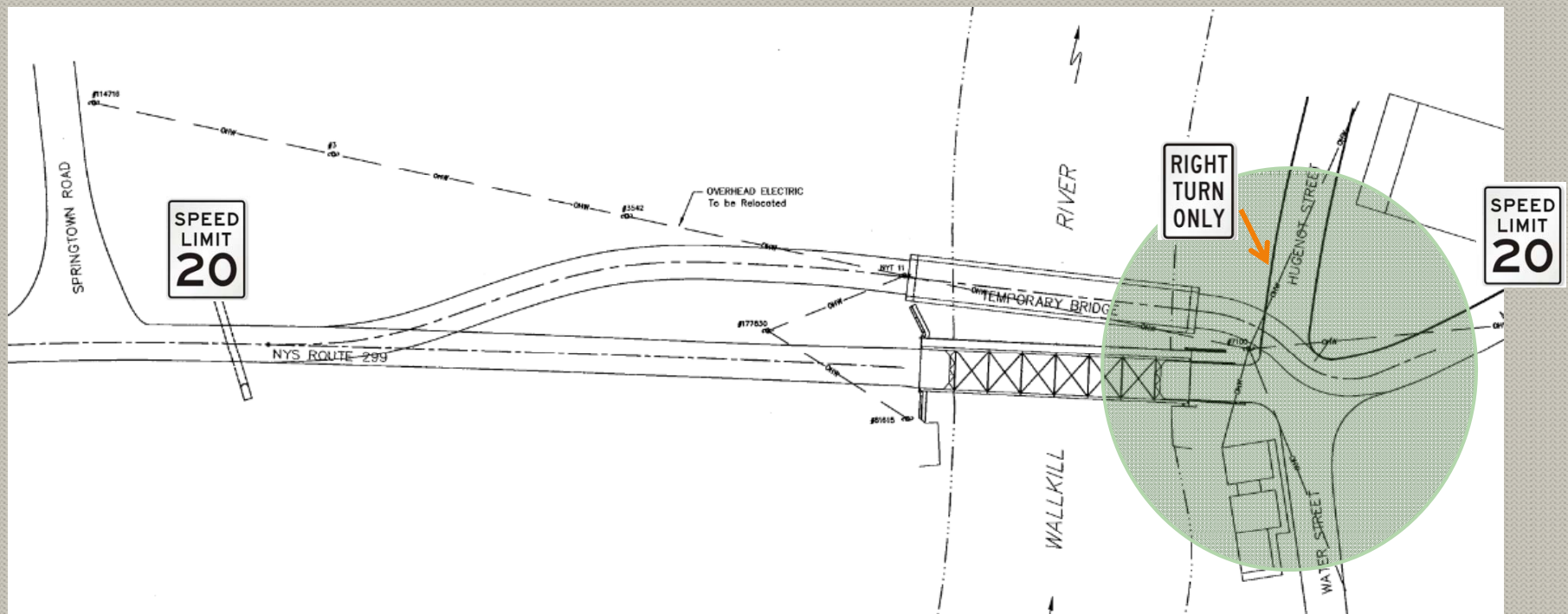
# Pedestrian Bridge Railings

---





# Detour Bridge – Plan Layout





# Updates

---

## ▶ Utilities

- ▶ Village Water Line – We need an agreement with the Village to relocate the waterline. Work with Village engineers on this – Consider alternatives related to cost moving the line twice may be equal to boring under the creek and getting the line off the bridge completely .
- ▶ Central Hudson and Telephony – will be relocated to the south side of the road

## ▶ SEQRA

- ▶ County will act as lead agency – still exploring the unlisted vs. Type II

## ▶ Lands west of Wallkill

- ▶ Trail Location Discussion
- ▶ Farm field (OSI) – Temporary construction easement will be necessary









**N/F OPEN SPACE CONSERVANCY, INC.**

**N/F FERRANTE**

**ROUTE 299**

**SPRINGTOWN ROAD**  
(A.K.A. CO RD 7)

**TAKING MAP No.1**

**TAKING MAP No.6**

**TAKING MAP No.1**

**TAKING MAP No.2**

**TAKING MAP No.6**

**SURVEY LIMIT LINE (TYP)**

**MATCH LINE**  
**SEE SHEET 2 OF 2**

**LEGEND**

- OVERHEAD WIRE
- WATER LINE
- SEWER MANHOLE
- ⊗ TELEPHONE MANHOLE
- ⊕ WATER VALVE
- ⊙ HYDRANT
- CATCH BASIN
- SPOT ELEVATION
- ⊕ BENCH MARK
- ⊕ UTILITY POLE
- △ FLOOD LIGHT