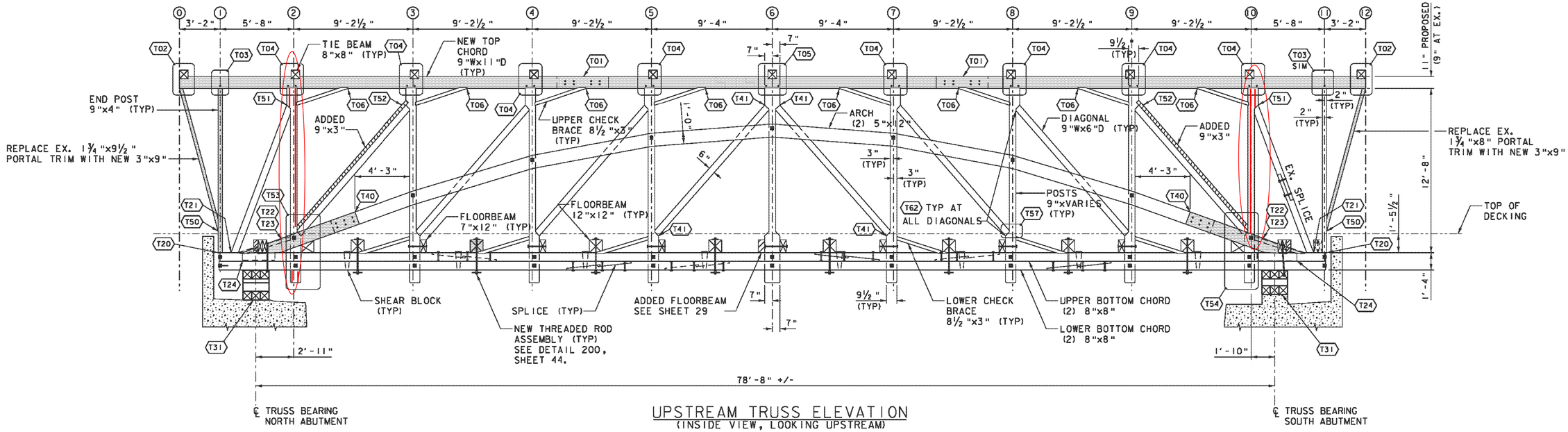

UPSTREAM TRUSS ELEVATION
(INSIDE VIEW, LOOKING UPSTREAM)

SCALE: ¼" = 1'-0"

KEY FOR REPAIRS (UPSTREAM AND DOWNSTREAM TRUSSES):

TOP CHORD

T01 SEE DETAIL 1, SHEET 37 FOR NEW TOP CHORD SPLICE.

T02 TOP CHORD JOINERY AT TIE BEAM TO MATCH EXISTING, END OF TOP CHORD RECONFIGURED FOR NEW POST CONNECTION. SEE DETAIL 2, SHEET 37.

T03 JOINERY AT NEW TOP CHORD TO MATCH EXISTING, SEE DETAIL 3, SHEET 37.

T04 JOINERY AT NEW TOP CHORD TO MATCH EXISTING, SEE DETAIL 4, SHEET 37.

T05 JOINERY AT NEW TOP CHORD TO MATCH EXISTING, SEE DETAIL 5, SHEET 37.

T06 JOINERY AT NEW TOP CHORD TO MATCH EXISTING. ADD FASTENERS AT EXISTING CHECK BRACES. SEE DETAIL 6, SHEET 37.

BOTTOM CHORD

T20 SEE DETAIL 7B, SHEET 38, FOR CONNECTION OF NEW POST TO BOTTOM CHORD.

T21 SEE DETAIL 7B, SHEET 38, FOR REINFORCEMENT OF DIAGONAL-TO-CHORD CONNECTION.

T22 REPLACE BOTTOM END OF BOTH INNER AND OUTER ARCH SEGMENTS, AND REINFORCE ARCH BEARING JOINT AT BOTTOM CHORD. SEE DETAIL 7A, SHEET 38.

T23 REPLACE CHECK BRACE BETWEEN ARCH SEGMENTS, AND REINFORCE CHECK BRACE BEARING AT BOTTOM CHORD AND POST. SEE DETAIL 7B, SHEET 38.

T24 REMOVE EXISTING LEDGER FROM SIDE OF UPPER INNER BOTTOM CHORD.

T25 (NOT USED).

T26 REPLACE EXISTING BOTTOM CHORD FROM BACKWALL TO EXISTING SPLICE, MATCH ALL EXISTING JOINERY UNLESS NOTED OTHERWISE. SEE DETAIL 8, SHEET 39, FOR REUSE OF EXISTING SPLICE.

T27 REPLACE EXISTING BOTTOM CHORD FROM BACKWALL TO EXISTING SPLICE; MATCH ALL EXISTING JOINERY UNLESS NOTED OTHERWISE. SEE DETAIL 9, SHEET 39, FOR REUSE OF EXISTING SPLICE.

T28 (NOT USED).

T29 (NOT USED).

T30 REPAIR SPLIT CHORD AT SPLICE PER DETAIL 10, SHEET 39.

T31 REBUILD EX. CRIBBING IN SAME LOCATION FOR NEW BEARING ELEVATION OF TRUSS. EXISTING CRIBBING IN SOUND CONDITION MAY BE REUSED SUBJECT TO APPROVAL BY RESIDENT ENGINEER. (SEE NOTE 1 THIS SHEET)

ARCH

T40 NEW ARCH SPLICE, SEE DETAIL 11, SHEET 39.

T41 SECURE DIAGONAL TO POST WITH (2) ⅜"x10" SCREWS.

POSTS AND DIAGONALS

T50 SEE DETAIL 7B, SHEET 38, FOR CONNECTION OF NEW PORTAL TRIM TO END POST.

T51 SEE DETAIL 13, SHEET 40, FOR REINFORCEMENT OF DIAGONAL BEARING CONNECTION

T52 SEE DETAIL 14, SHEET 40, FOR SISTERED DIAGONAL.

T53 ADD SISTERING TO DIAGONAL AND REPAIR SPLIT POST PER DETAIL 15, SHEET 40.

T54 ADD SISTERING TO DIAGONAL, REPAIR SPLIT POST, AND REPAIR ROT AT POST AND DIAGONAL PER DETAIL 16, SHEET 40.

T55 ADD SISTERING TO DIAGONAL AND REPAIR ROT AT POST AND DIAGONAL PER DETAIL 17, SHEET 40.

T56 ADD SISTERING TO DIAGONAL, REPAIR ROT AT DIAGONAL, AND REPLACE POST PER DETAIL 18, SHEET 40.

T57 REPAIR ROT AT POST AND DIAGONAL PER DETAIL 19, SHEET 41.

T58 REPAIR ROT AT POST AND DIAGONAL PER DETAIL 20, SHEET 41.

T59 REPAIR ROT AT POST AND SPLIT DIAGONAL PER DETAIL 21, SHEET 41.

T60 REPAIR ROTTEN POST TENON, FRACTURED ARCH BOLT, AND SPLIT POST PER DETAIL 22, SHEET 41.

T61 SEE DETAIL 23, SHEET 41, FOR REPAIR OF SPLIT DIAGONAL.

T62 AFTER REALIGNMENT OF TRUSSES, VERIFY THAT ALL DIAGONAL JOINTS ARE IN SOUND BEARING. IF NOT, SHIM TIGHT AND SECURE SHIMS IN PLACE. SHIMS SHALL BE INCIDENTAL TO ITEM 900.645 SPECIAL PROVISION (REHABILITATING COVERED BRIDGE SUPERSTRUCTURE).

T63 SEE DETAIL 24, SHEET 41, FOR REPAIR OF SPLIT DIAGONAL.

T64 PATCH GOUGE PER DETAIL 25, SHEET 41.

NOTE:

1. RAISE BRIDGE 4" TO ACCOMMODATE DEEPER STEEL BEAMS AND INCREASE HEIGHT OF CRIBBING TO MATCH. SEE MONKTON RD (TH 36) PROFILE, SHEET 9, FOR PROPOSED ELEVATIONS AND GRADES.

LEGEND

- PREDETERMINED MEMBERS TO BE REPLACED (SIZE TO MATCH EXISTING, UNLESS OTHERWISE NOTED)
- PREDETERMINED PORTION OF EXISTING MEMBER TO BE REPLACED (MATCH SIZE OF EXISTING)
- ADDED MEMBER
- EXISTING MEMBER TO BE REMOVED
- T## TRUSS REPAIR KEY NUMBER

Vanasse Hangen Brustlin, Inc.

PROJECT NAME:	CHARLOTTE
PROJECT NUMBER:	BHO 1445(34)
FILE NAME: z06j088details_truss.dgn	PLOT DATE: 10/4/2012
PROJECT LEADER: M.A. COLGAN	DRAWN BY: K.D. WENTWORTH
DESIGNED BY: K.E. HILL	CHECKED BY: M.A. COLGAN
UPSTREAM TRUSS ELEVATION	SHEET 31 OF 55

VHB 57348