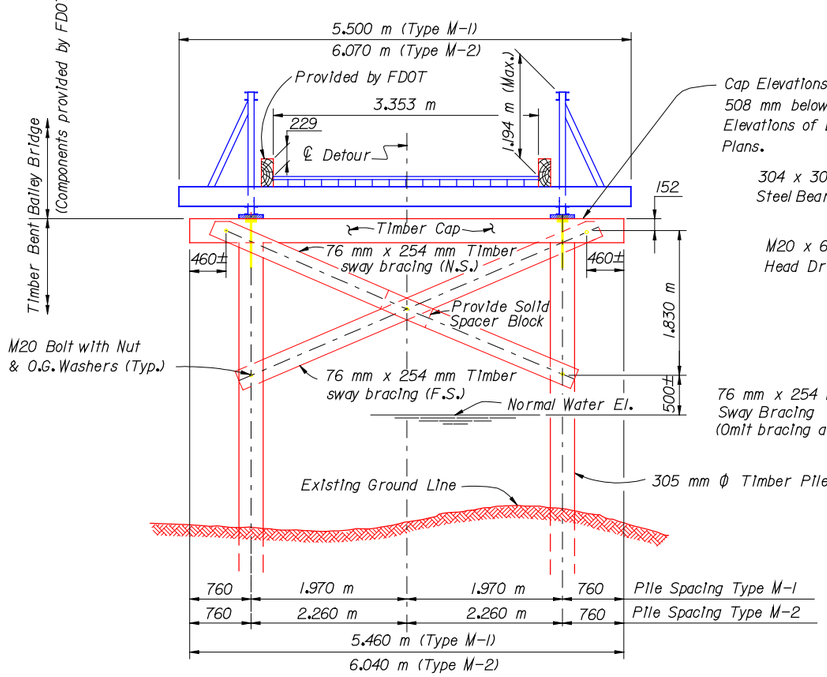
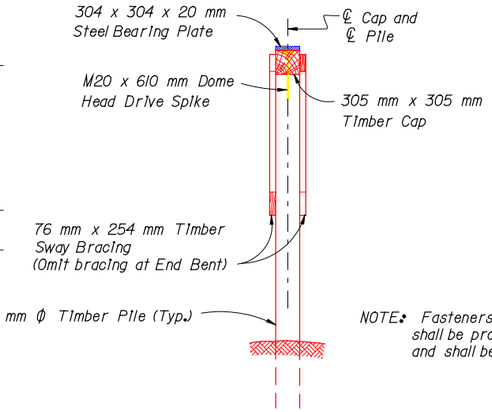
FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA.			



TYPICAL SECTION



END VIEW
(Bent Only)

NOTE: Fasteners not included as Bailey bridge components shall be provided by contractor, shall conform to ASTM A307 and shall be galvanized per ASTM A153.

LIST OF STRUCTURAL TIMBER *

ITEM	SIZE	LENGTH M-1	LENGTH M-2	NO. REQ'D.	CUBIC METERS TYPE M-1 END BENT	CUBIC METERS TYPE M-1 INT. BENT	CUBIC METERS TYPE M-2 END BENT	CUBIC METERS TYPE M-2 INT. BENT
CAP	305 x 305	5.460 m	6.040 m	1	0.508	0.508	0.562	0.562
SWAY BRACING	76 x 254	4.920 m	5.460 m	2	—	0.190	—	0.211
SPACER BLOCK	254 x 305	600	600	1	—	0.046	—	0.046
				TOTAL	0.508	0.744	0.562	0.819

* Quantities are for one bent only.

NOTES

DESIGN LOAD FOR PILES: 180 kN

LOADING: MS18

STRUCTURAL TIMBER: Timber piles and structural timber may be treated or untreated at the option of the contractor. The contractor shall provide all structural timber and piles.

SPAN LENGTH: 9.144 m Maximum

PAYMENT: See Roadway Plans

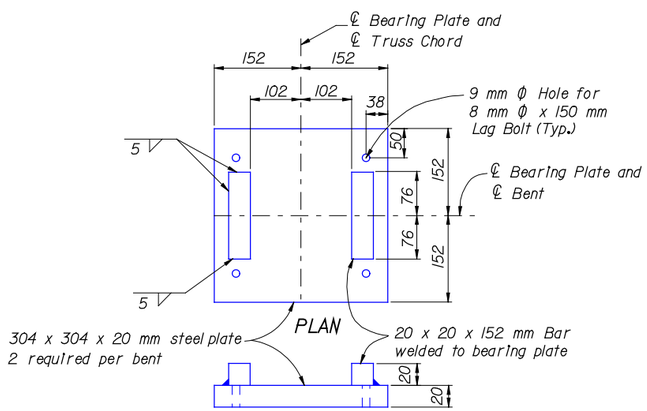
ERECTION: The contractor shall erect the detour bridge in accordance with the specifications, these plans, and the "Bailey Uniflote Handbook". Steel grid bridge flooring will be furnished in lieu of Bailey Bridge flooring. Steel grid bridge flooring shall be brought into full contact with each transom and then securely fastened at each transom. The Engineer shall approve final assembly of Bailey Bridge components prior to placing traffic on the bridge.

AVAILABILITY: Contractor shall pick-up and return all Bailey Bridge components at the FDOT maintenance yard located at 45 West Park Street, Defuniak Springs, Florida 32433.

DAMAGE: Contractor shall be responsible for damage to the Bailey Bridge components which occurs while in his possession. FDOT inspection of Bailey Bridge components will be upon return of the components to the FDOT maintenance yard.

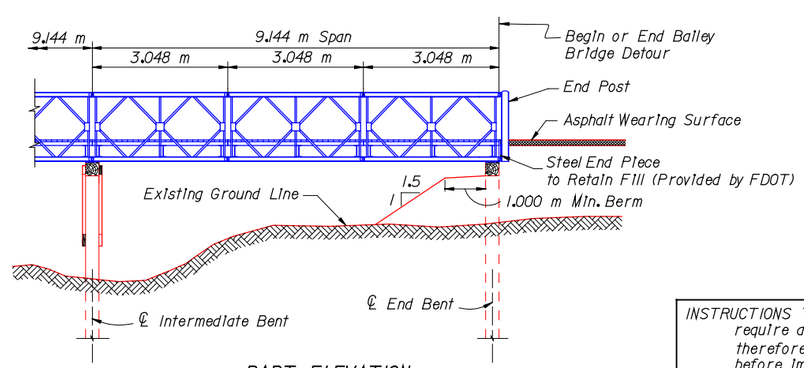
DETOUR BRIDGE TYPE: The contractor shall be responsible for contacting the District Structures Engineer prior to driving piles or purchasing timber to determine if a Type M-1 or a Type M-2 Bailey Bridge will be furnished for this project.

WIDE LOAD SIGNS: Contractor shall erect wide load signs (Maximum Width Load 3.350 m) at each end of the detour bridge and approaching intersections. Payment shall be included in the Contract Bid Price for detour. Contractor shall contact FDOT Road Use Permits Engineer in writing, informing him of the beginning and ending dates the detour will be in use. This information should be addressed to: Road Use Permits Engineer, Florida Department of Transportation, Mail Station 62, 605 Suwannee Street, Tallahassee, Florida 32399-0450.



ELEVATION
BEARING PLATE DETAILS

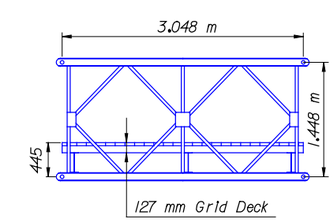
NOTE: FDOT shall provide all Bearing Plates.



PART ELEVATION
(One 9.144 m Span)

INSTRUCTIONS TO DESIGNER: Tall Bents and/or scour conditions may require additional piles or bracing or different kind of piles; therefore the stability of the proposed bent shall be checked before implementing the design on this standard drawing. Also, if piling longer than 15 m is required, timber piling shall not be used unless authorized by the District Structures Engineer. PLEASE, ERASE THIS NOTE WHEN COMPLETING THIS DRAWING.

NOTE: All dimensions are in millimeters (mm), except as noted.



ELEVATION
(One 3.048 m Unit)

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			97R		

	NAMES	DATES
DRAWN BY	JSP/SHM	4-94
CHECKED BY	JMD	4-94
DESIGNED BY		
CHECKED BY		
APPROVED BY	AJG	

ENGINEER OF RECORD.
STRUCTURES DESIGN OFFICE
CENTRAL OFFICE
605 Suwannee Street, MS 33
Tallahassee, Florida 32399-0450

LOGO.

SEAL.

FLORIDA DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN OFFICE

ROAD NO.	COUNTY	PROJECT NO.

SHEET TITLE:
TIMBER BENTS FOR BAILEY BRIDGE
(ONE LANE SINGLE SINGLE)(TYPE M-1 OR M-2)

PROJECT NAME.

DRAWING NO.
1 of 1

INDEX NO.
310

DATE "" TIME

s:\structuressoftware\cadd\standards\97d\drawings\310.dgn