

SPECIFICATIONS

DESIGN: AASHTO Standard Specification for Highway Bridges 1989, and interim specifications 1990, 1991.
 Contract: State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges, Revision of October 1990.
 Live Loading: ----- HS 20-44 existing

TRAFFIC DATA

AADT-1992-6,730
 AADT-2012-9,422
 DHV-----942
 T%-----12
 D-----55
 .18 kip-P2.0-266
 .18 kip-P2.5-276

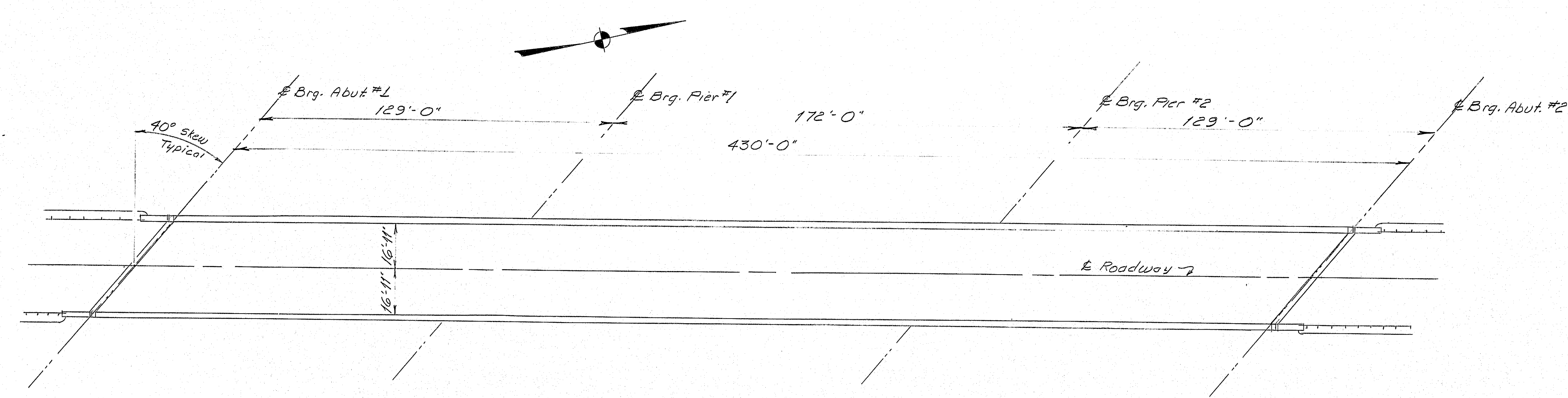
SCOPE OF WORK

- 1- Maintain alternating traffic on a minimum 14'-0" lane during construction with the use of traffic signals.
- 2- Remove existing bituminous wearing surface and waterproofing membrane from the concrete slab.
- 3- Rehabilitate existing structural concrete slab.
- 4- Install new membrane waterproofing and 2 1/4" bituminous wearing surface.
- 5- Modify approach guardrail at bridge connection.

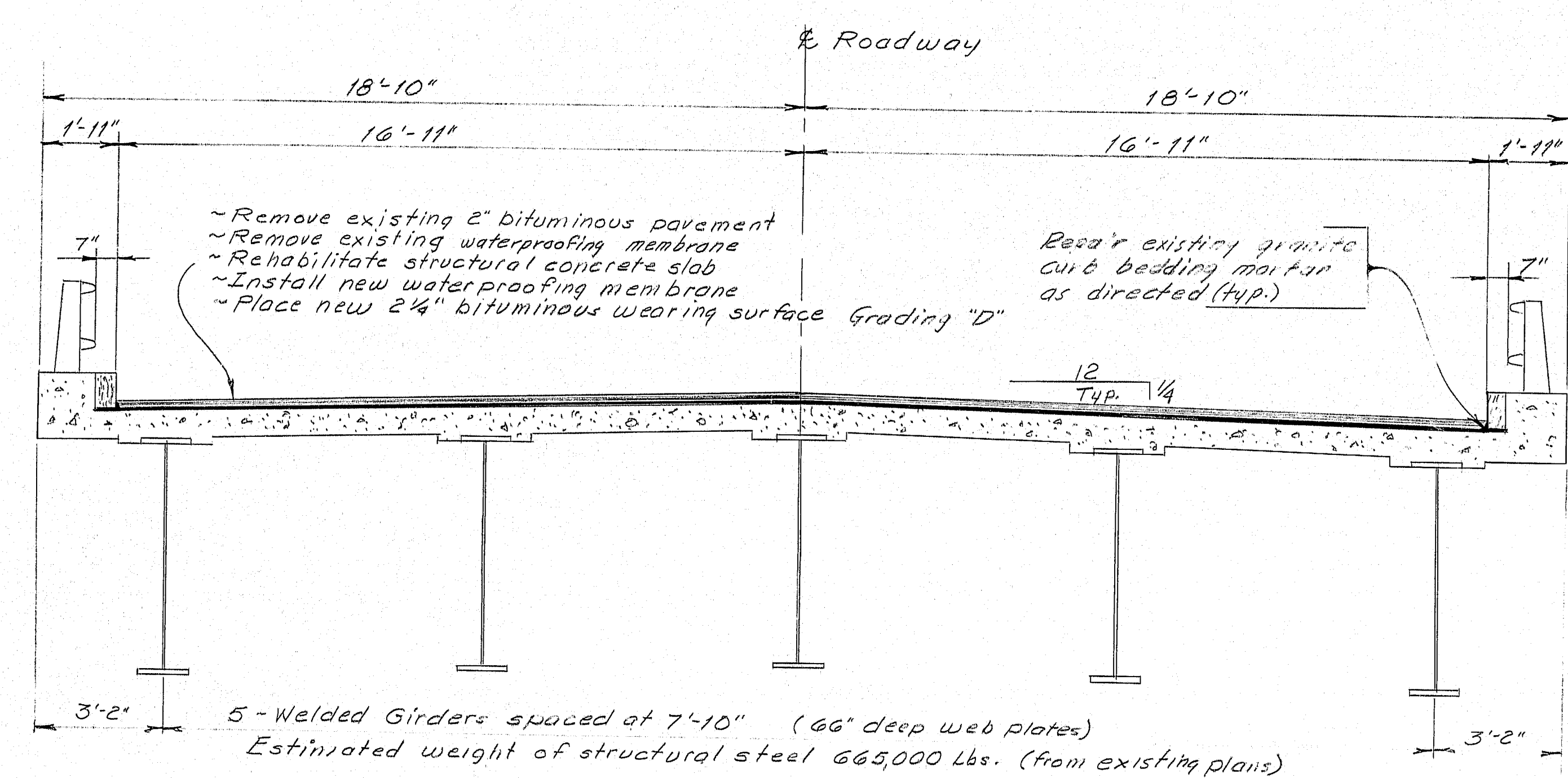
NOTES

1. Plans of the existing bridge are available for the Contractor's reference at the Bridge Design Office in Augusta. The plans are reproductions of the original drawings as prepared for the construction of the bridge and it is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.
2. All work contemplated under this contract to be governed by and in conformity with the State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges, Revision of October 1990, and with AASHTO Standard Specifications for Highway Bridges 1989 and Interim Specifications 1990, 1991.
3. A Bridge Deck Evaluation report of the existing bridge is available for the Contractor's reference at the Bridge Design Office in Augusta. The report contains visual inspection information and deck core data of the bridge. There is no assurance that the information or data is a true representation of the conditions of the entire deck.
4. The Contractor's operations shall be conducted such that traffic will not travel on an unsurfaced concrete deck at any time. Existing bituminous pavement shall be removed and the base bituminous pavement shall be placed to facilitate this requirement. The bituminous surface course shall be placed entirely in one continuous operation only after the entire base bituminous course is in place.

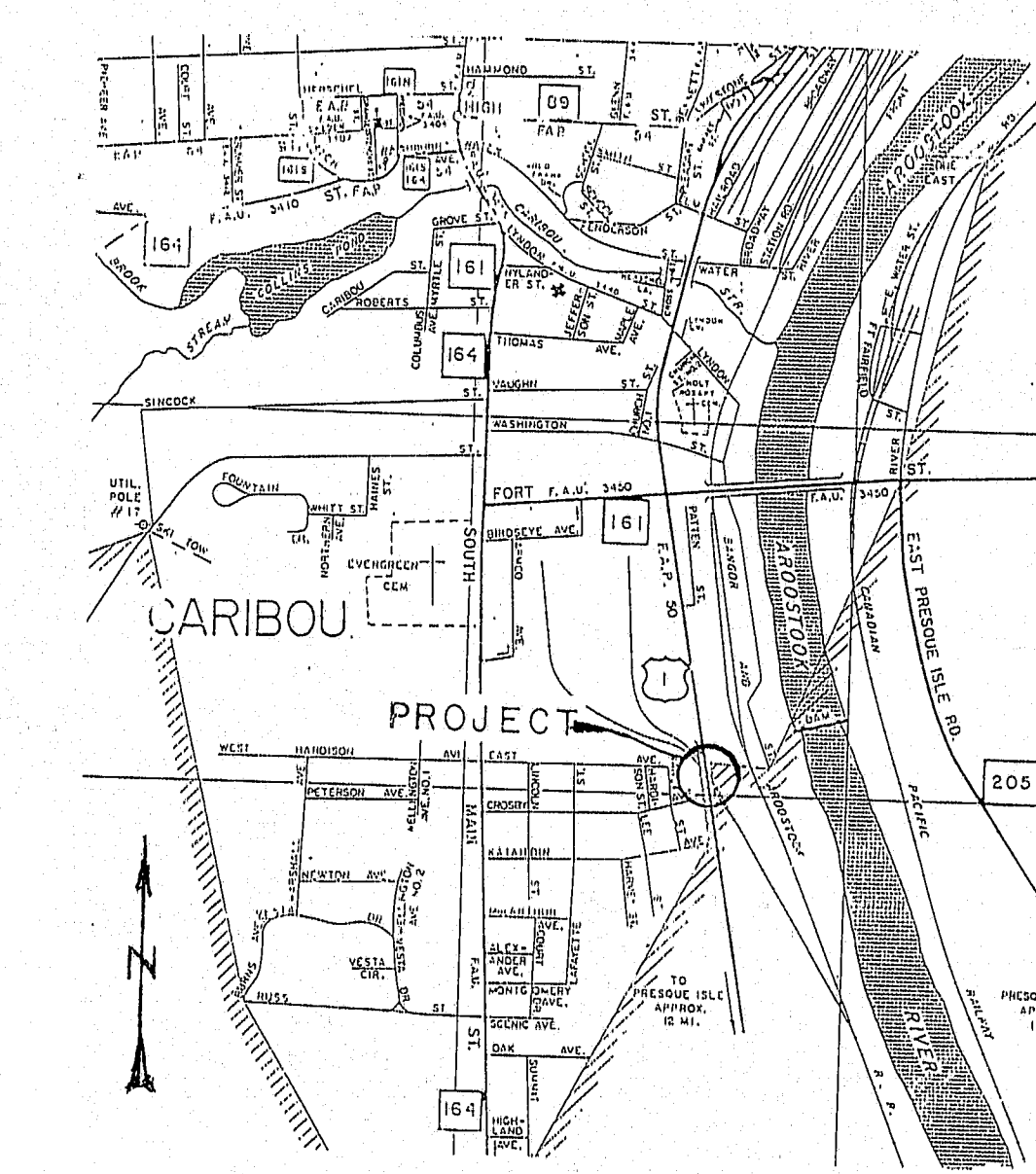
AS BUILT BY DATE BR #6255
 2-1-93



PLAN EXISTING BRIDGE



SECTION EXISTING BRIDGE

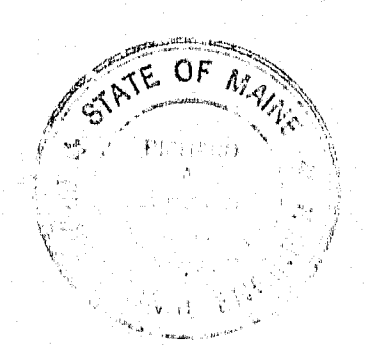


LOCATION MAP

PROJECT DESIGN ENGINEER	DATE
DESIGNED BY	3/31/92
CHECKED BY	
REVISIONS	
FIELD CHANGES	
PLANS	

TEMPORARY TRAFFIC SIGNALS							
Interval	1	2	3	4	5	6	1
Northbound	G	Y	R	R	R	R	G
Southbound	R	R	R	G	Y	R	R
Timing (seconds)	13	3	13	13	3	13	-
Cycle = 70 seconds							

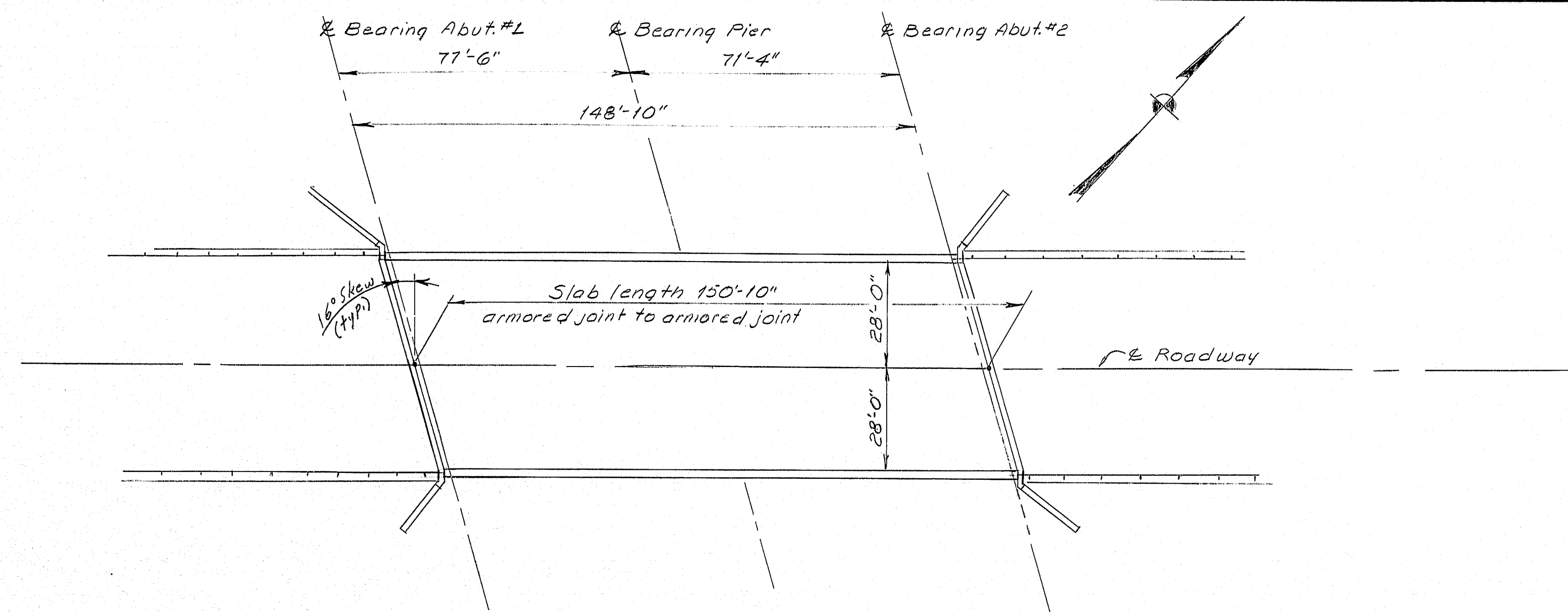
G=Green
 Y=Yellow
 R=Red



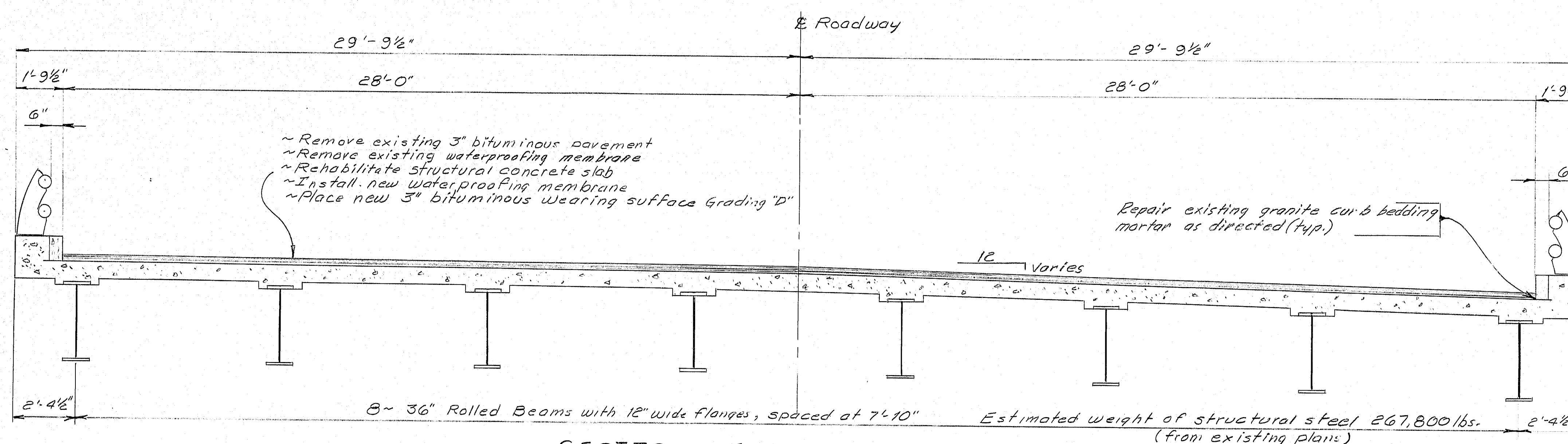
APPROVED:
 STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
Commissioner 3/31/92
Robert A. Cramer 3/31/92
 CHIEF ENGINEER

UNITED STATES
 DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 REGION 1
 APPROVED:
108-146
 DIVISION ADMINISTRATOR

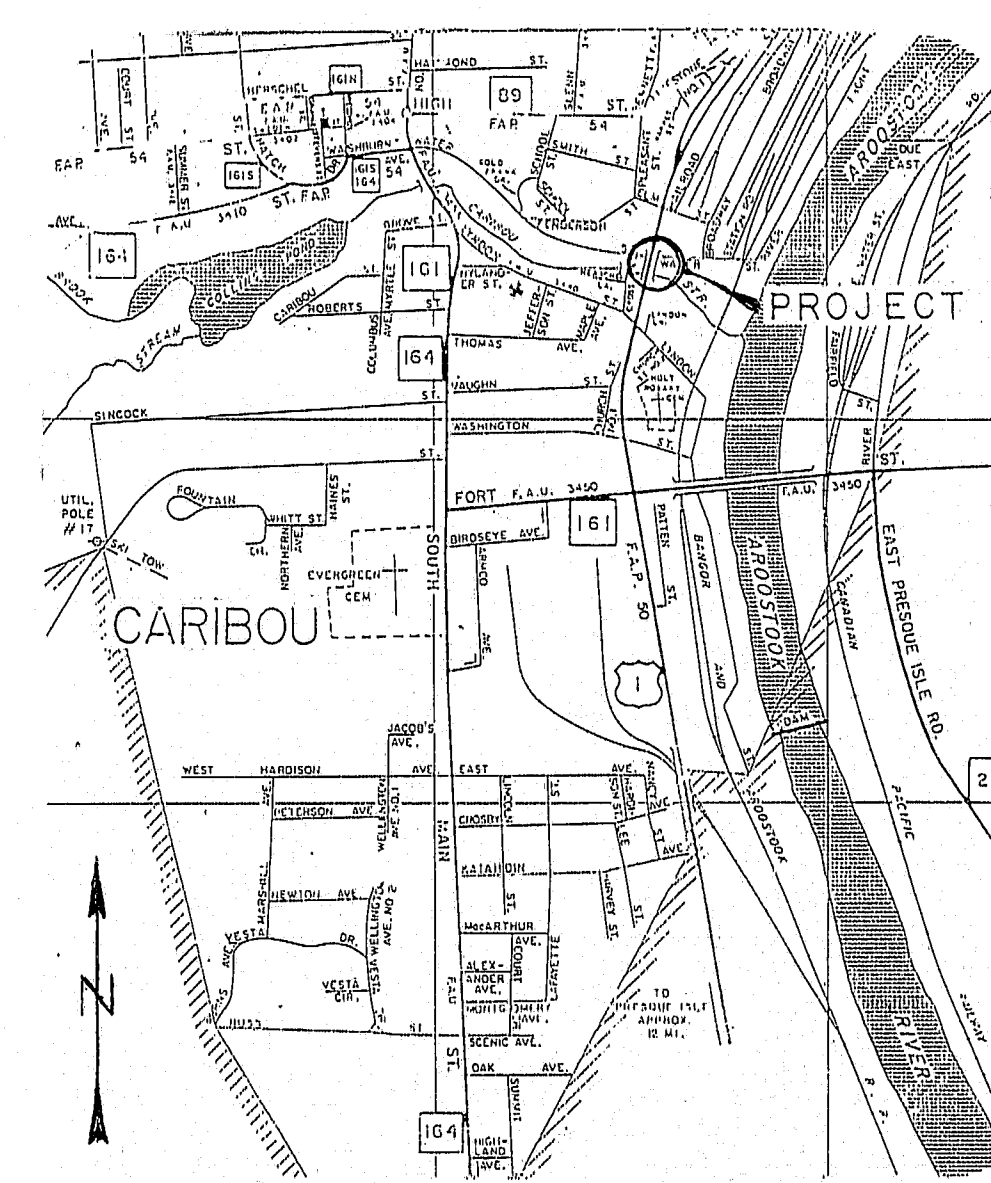
STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 U.S. ROUTE 1
 over
 BANGOR AND AROOSTOOK R.R.
 CARIBOU
 AROOSTOOK COUNTY
 GENERAL PLAN
 SHEET OF AUGUSTA, MAINE



PLAN EXISTING BRIDGE



SECTION EXISTING BRIDGE



LOCATION MAP

PIN 4176.00

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE	F-STP-050P(150)	2	8

SPECIFICATIONS

Design: AASHTO Standard Specification for Highway Bridges 1989, and Interim Specifications 1990, 1991.
Contract: State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges, Revision of October 1990.

Live Loading: existing HS20-44 (modified for Interstate).

TRAFFIC DATA

AADT—1992—10,760
AADT—2012—15,060
DHV—1,506
T %—10
D—60
18 kip—P2.0—355
18 kip—P2.5—368

SCOPE OF WORK

1. Maintain two way traffic on a minimum 24'-0" wide roadway during construction.
2. Remove existing bituminous wearing surface and waterproofing membrane from the concrete slab.
3. Rehabilitate existing structural concrete slab.
4. Install new membrane waterproofing and 3" bituminous wearing surface.
5. Modify approach guardrail at bridge connections.

NOTES

1. Plans of the existing bridge are available for the Contractor's reference at the Bridge Design Office in Augusta. The plans are reproductions of the original drawings as prepared for the construction of the bridge and it is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.
2. All work contemplated under this contract to be governed by and in conformity with the State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges, Revision of October 1990. And with AASHTO Standard Specifications for Highway Bridges 1989 and Interim Specifications 1990, 1991.
3. A Bridge Deck Evaluation report of the existing bridge is available for the Contractor's reference at the Bridge Design Office in Augusta. The report contains visual inspection information and deck core data of the bridge. There is no assurance that the information or data is a true representation of the conditions of the entire deck.
4. The Contractor's operations shall be conducted such that traffic will not travel on an unsurfaced concrete deck at any time. Existing bituminous pavement shall be removed and the base bituminous pavement shall be placed to facilitate this requirement. The bituminous surface course shall be placed entirely in one continuous operation only after the entire base bituminous course is in place.

AS BUILT BY *[Signature]* 2-1-93 R.R. #6203

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 1
CARIBOU BY-PASS
over
WATER STREET & CARIBOU STREAM

CARIBOU
AROOSTOOK COUNTY
GENERAL PLAN

SHEET OF AUGUSTA, MAINE

108-147

PROJECT DESIGN ENGINEER	DATE
DESIGN - DETAILED	6/28/93
CHECKED	L.A. Miller
REVISIONS	
FIELD CHANGES	

PLANS

ESTIMATED QUANTITIES					
MARK	DESCRIPTION	P-STP-050P(07) QUANTITY	P-STP-050P(08) QUANTITY	COMBINED QUANTITY	UNIT
202.127	REMOVING OF EXISTING BITUMINOUS PAVEMENT (2565 sq. yd.)	.75	.25	1	LS
403.10	HOT BITUMINOUS PAVEMENT, GRADING D	205	155	360	TONS
409.15	BITUMINOUS TACK COAT, APPLIED	90	50	140	GAL
507.30	ALUM. BRIDGE RAIL SPLICE RETROFIT	44		44	EACH
508.13	MEMBRANE WATERPROOFING (2565 sq. yd.)	.75	.25	1	LS
518.30	REHAB. OF STRUCT. CONC. SLAB--TO REINFORCING STEEL	585	425	1010	SF
518.31	REHAB. OF STRUCT. CONC. SLAB--TO BELOW REINFORCING STEEL	145	—	145	SF
518.39	REPAIRING GRANITE CURB BEDDING MORTAR	225	75	300	LF
526.301	TEMPORARY CONCRETE BARRIER TYPE I (1060 lin. ft.)	.75	.25	1	LS
527.32	PORTABLE CRASH BARRELS	8	8	16	EACH
606.173	BRIDGE CONNECTION	4	4	8	EACH
627.61	4 INCH SOLID WHITE PAVEMENT MARKING LINE	900	300	1200	LF
627.62	4 INCH BROKEN WHITE PAVEMENT MARKING LINE		800	800	LF
627.63	4 INCH SOLID YELLOW PAVEMENT MARKING LINE	1400	800	2200	LF
627.67	REMOVING PAVEMENT MARKINGS	175	275	450	SF
627.69	TEMP. 4" PLASTIC PAVEMENT MARKING LINE, YELLOW OR WHITE	2800	1600	4400	LF
639.19	FIELD OFFICE TYPE B	.75	.25	1	EACH
639.22	TESTING FACILITIES BITUMINOUS MIXES	.75	.25	1	LS
643.72	TEMPORARY TRAFFIC SIGNAL	1		1	LS
652.31	TYPE I BARRICADE	13	12	25	EACH
652.33	DRUM	5	5	10	EACH
652.34	CONE	8	7	15	EACH
652.35	CONSTRUCTION SIGNS	340	340	680	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	.75	.25	1	LS
652.37	WARNING LIGHTS	1	1	2	GRP
652.38	FLAGGER	220	220	440	MH
659.10	MOBILIZATION	.75	.25	1	LS



1. The exact location of the holes in the Modified Rail Panel shall be field measured prior to rail fabrication.
2. Additional holes in the Modified Guard Rail Panel may be made by drilling, punching or any other method that produces a neat, clean hole of the required size. Burning of holes will not be allowed.
3. After installation of Guard Rail is complete, upset the thread on the anchor bolts in three places around each bolt, at the junction of the nut and the exposed thread, with a center punch or similar tool.
4. All accessories (posts, bolts, nuts etc.) shall be as detailed for Standard Type 3 Guard Rail, except as otherwise detailed.
5. Payment for Modified Rail Panels and payment for all labor, hardware and material to secure Modified Rail Panel to existing rail, as shown on the plans shall be made under Item No. 606.173, Bridge Connections.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

U. S. ROUTE 1
CARIBOU
over
Bangor & Arroostook Railroad
and
Water Street & Caribou Stream
Estimated Quantities & Rail Details

SHEET OF AUGUSTA, MAINE