

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



WASHBURN
AROOSTOOK COUNTY
BRIDGE STREET BRIDGE
OVER
SALMON BROOK
HINES STREET
FEDERAL AID PROJECT NO. STP-1992(200)
PROJECT LENGTH 0.000 mi.
BRIDGE NO. 3703

TRAFFIC DATA

Current (2013) AADT 2160

HYDROLOGIC DATA

Drainage Area 29.4 sq mi
Design Discharge (Q50) 2410 cfs
Check Discharge (Q100) 2770 cfs
Headwater Elevation (Q10) 97.12 ft
Headwater Elevation (Q50) 99.35 ft
Headwater Elevation (Q100) 100.34 ft
Discharge Velocity (Q10) 7.03 fps
Discharge Velocity (Q50) 8.11 fps
Discharge Velocity (Q100) 8.47 fps

UTILITIES

Maine Public Service Company
Northern New England Telephone Operations, LLC (Fairpoint Communications)
Time Warner Cable
Town of Washburn
Washburn Water And Sewer District

Note: Scour Plan Of Action (POA) may be accessed at the following
MaineDOT web address: <http://www.maine.gov/mdot/comprehensive-list-projects/project-information.php>.

LIST OF DRAWINGS

Title Sheet 1
Quantities & Notes 2
General Plan and Profile 3
Right of Way Map 4

<u>PROJECT LOCATION:</u>	Bridge Street Bridge (#3703) which carries Route 228 over Salmon Brook. 0.03 miles West of the intersection of Victoria Street and Hines Street. Lat. 46°47'27", Long. -68°09'31"
<u>PROGRAM AREA:</u>	Bridge
<u>OUTLINE OF WORK:</u>	Bridge Scour Countermeasures

WIN 19922.00

STP-1992(200)

WASHBURN
BRIDGE STREET BRIDGE
TITLE SHEET

SHEET NUMBER

1

OF 4



Michael Wright
SIGNATURE
8089
P.E. NUMBER
12/13/2013
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED
COMMISSIONER: [Signature]
CHIEF ENGINEER: [Signature]
DATE: 12-17-13

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	20	CY
203.23/5	DISPOSAL OF DREDGE MATERIAL	55	T
502.83	PRECAST BLOCK MAT	3185	SF
511.07	COFFERDAM: ABUTMENT NO 1	1	LS
511.07	COFFERDAM: ABUTMENT NO 2	1	LS
613.319	EROSION CONTROL BLANKET	10	SY
615.0701	LOAM - PLAN QUANTITY	10	CY
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	2	UN
619.1201	MULCH - PLAN QUANTITY	2	UN
619.1401	EROSION CONTROL MIX	10	CY
620.58	EROSION CONTROL GEOTEXTILE	360	SY
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.121	HEAVY DUTY ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
652.33	DRUM	25	EA
652.34	CONE	50	EA
652.35	CONSTRUCTION SIGNS	200	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (60 CD)	1	LS
652.38	FLAGGER	40	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

1. For easements, construction limits and right of way lines, refer to Right of Way Map.
2. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
3. Place riprap on sideslopes up to EL. 85.0.
4. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/comprehensive-list-projects/project-information.php>.
5. The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. 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.
6. Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:
 - a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.
 - b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
 - c. If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation.
7. The two yellow and red scour placards attached to the substructure shall be removed and properly disposed of by the Contractor. This work shall not be paid for directly, but considered incidental to related contract items.
8. Sections shown on the design plans depict "typical" conditions and the intent of the installation which may have to be altered to fit actual site conditions as directed by the Resident.
9. Areas shown of the countermeasure installation are approximate and represent the minimum dimensions desired. The Resident may direct modifications to fit site conditions.
10. Estimates of quantities are necessarily approximate. Payment will be made on an actual quantities installed to the satisfaction of the Resident.
11. Grout testing and curing boxes shall be considered incidental to related Contract Items.

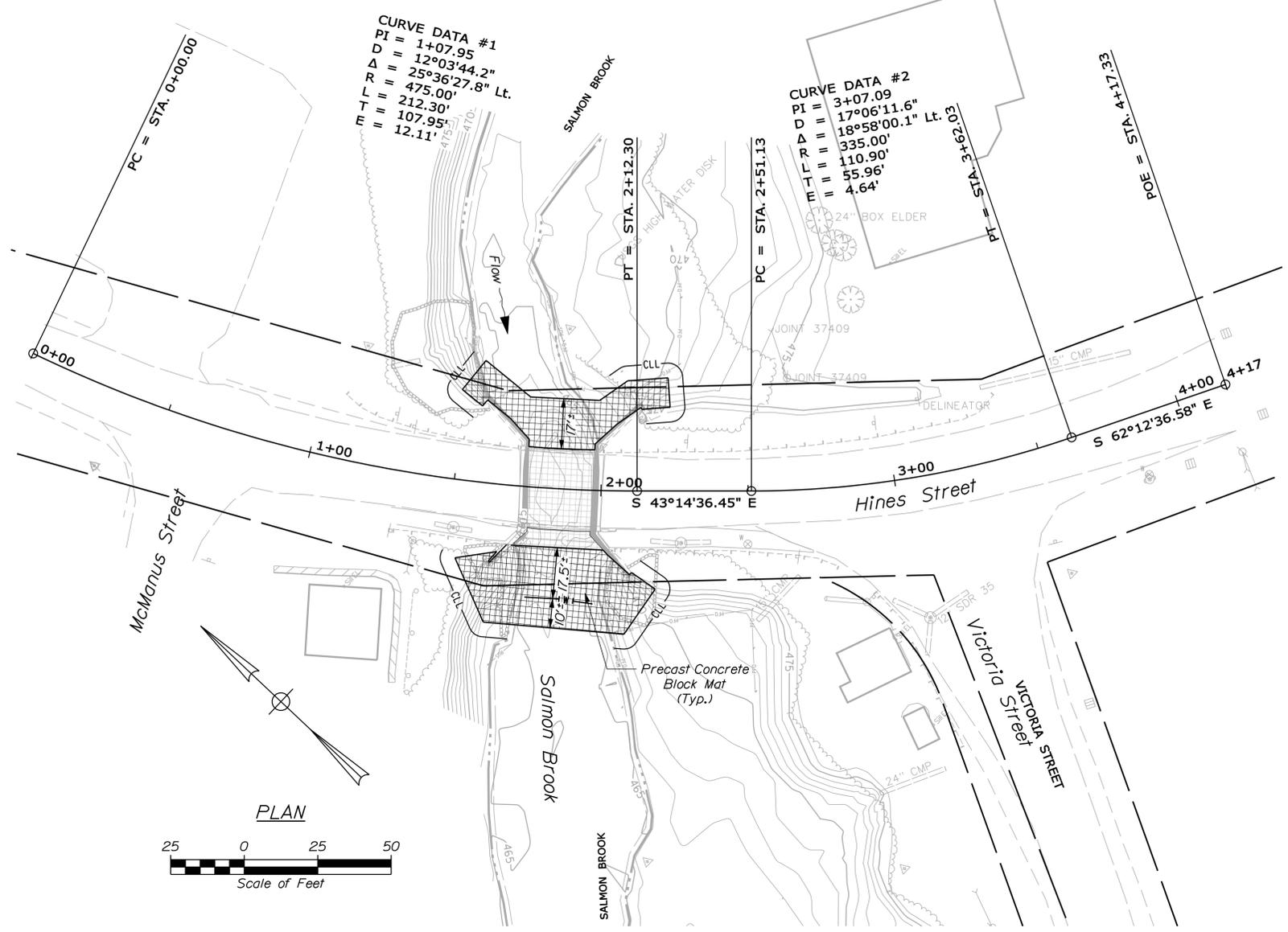
STATE OF MAINE DEPARTMENT OF TRANSPORTATION STP-1992(200)		BRIDGE NO. 3703 PIN 19922.00 BRIDGE PLANS
BRIDGE STREET BRIDGE SALMON BROOK WASHBURN AROOSTOOK COUNTY	S. BOOGE J. RUCK D. SHAW DEC. 2013	SIGNATURE P.E. NUMBER DATE
ESTIMATED QUANTITIES AND GENERAL CONSTRUCTION NOTES		
SHEET NUMBER <div style="font-size: 2em; font-weight: bold; margin: 10px 0;">2</div> OF 4		

Date: 12/12/2013

Username: david.shaw

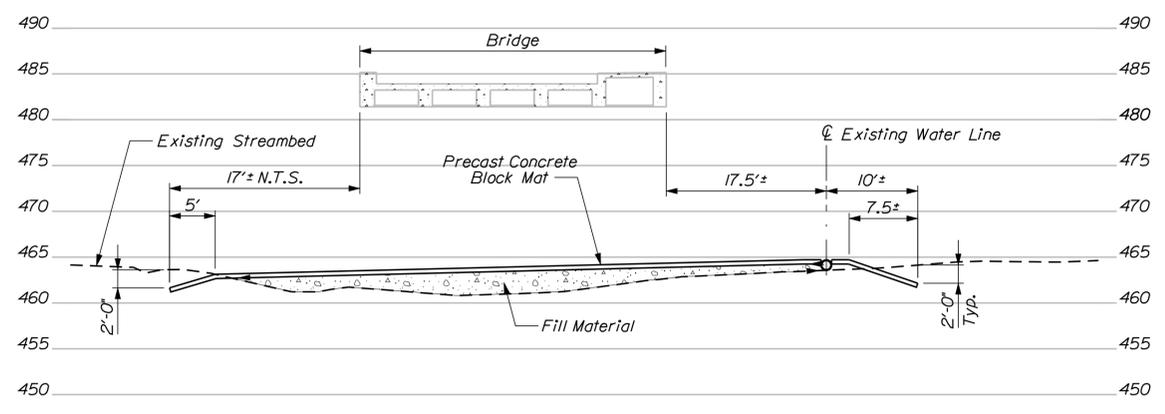
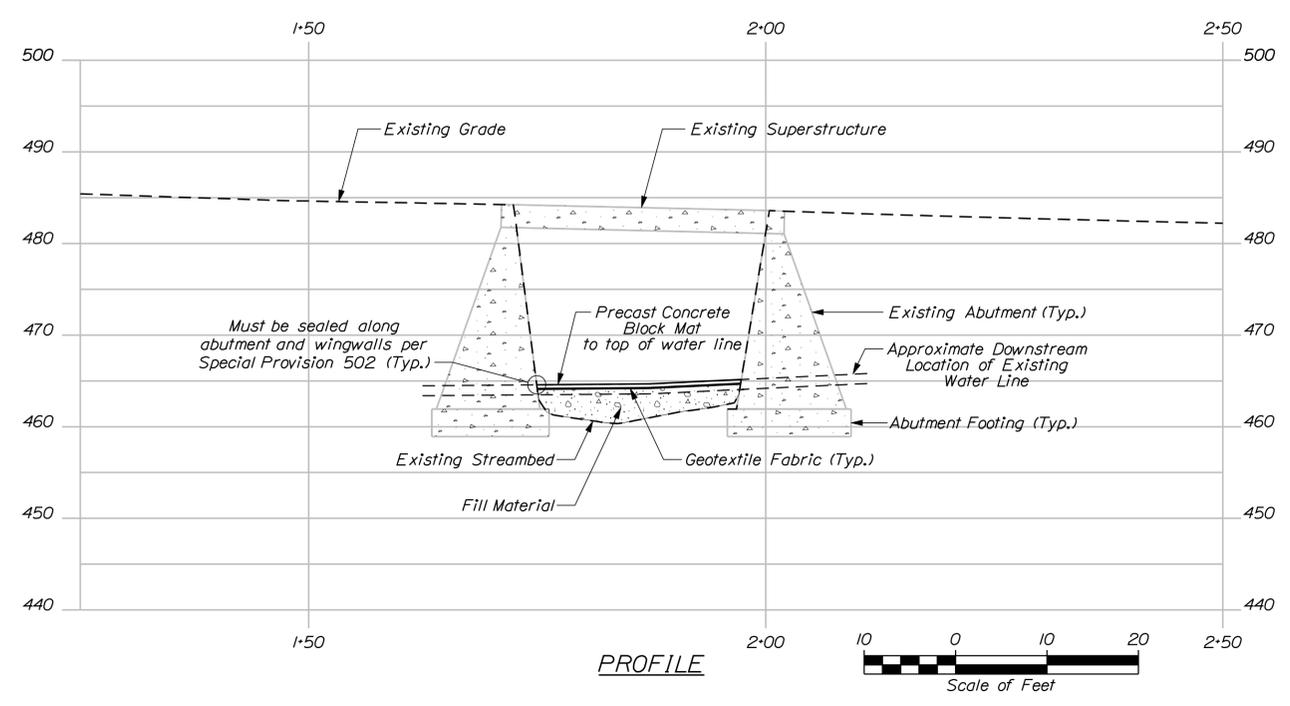
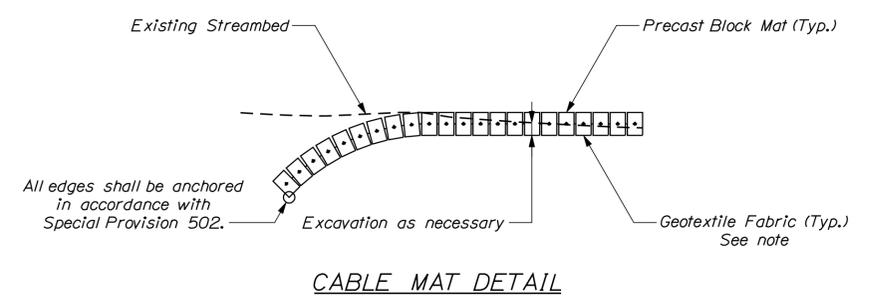
Division: BRIDGE

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NOTES:

- Concrete cable mats shall bear directly on geotextile fabric. Geotextile fabric shall be considered incidental to Item No. 502.83.
- To the maximum extent possible, except to create a low flow channel, the top surface of the scour countermeasure shall match the existing streambed. The Contractor work shall not undermine or otherwise threaten the stability of the bridge foundations or retaining wall foundation.



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1992(200)
BRIDGE NO. 3703
PIN 19922.00
BRIDGE PLANS

PROJ. MANAGER	DATE	BY	SIGNATURE
S. BOGGE		D. SHAW	
DESIGN-DETAILED		J. BUCK	
CHECKED-REVIEWED			
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BRIDGE STREET BRIDGE
SALMON BROOK
AROOSTOOK COUNTY
WASHBURN
GENERAL PLAN AND PROFILE

SHEET NUMBER
3
OF 4

Date: 12/12/2013

Username: david.shaw

Division: BRIDGE

Filename: ... \00\ROW\MSTA001_RWPLAN1.dgn

LIDSTONE MEMORIAL UNITED
METHODIST CHURCH (PER TAX RECORDS)
ITEM NO. (1)
SLOPE EASE. = 247± S.F. (1)
TEMP. CONST. RIGHTS = 550± S.F. (1)
TOTAL AREA = 0.90± AC. (PER TOWN)

TOWN OF WASHBURN
ITEM NO. (3)
SLOPE EASE. = 250± S.F. (1)
TEMP. CONST. RIGHTS = 0.14± AC. (1)
TOTAL AREA = 1.3± AC. (PER TOWN)

CURVE DATA #1
PI = 1+07.95
D = 12°03'44.2"
Δ = 25°36'27.8" Lt.
R = 475.00'
L = 212.30'
T = 107.95'
E = 12.11'

CURVE DATA #2
PI = 3+07.09
D = 17°06'11.6"
Δ = 18°58'00.1" Lt.
R = 335.00'
L = 110.90'
T = 55.96'
E = 4.64'

SEE S.H.C. FILE NO. 2-166

SEE D.O.T. FILE NO. 2-434

HINES STREET F/K/A BRIDGE STREET

BEGIN B.L.

S.H. "337"

ROUTE 228

12" SDR 35

TRUCK ROUTE

12" SDR 35

DONALD L. WILCOX
PAMELA R. WILCOX
ITEM NO. (2)
CONST. & MAINT. EASE. = 740± S.F. (1)
TEMP. CONST. RIGHTS = 1150± S.F. (1)
TOTAL AREA = 0.30± AC. (PER TOWN)

ROMAN CATHOLIC BISHOP
OF PORTLAND, MAINE (PER TAX RECORDS)
ITEM NO. (4)
CONST. & MAINT. EASE. = 815± S.F. (1)
TEMP. CONST. RIGHTS = 0.19± AC. (1)
TOTAL AREA = 7.5± AC. (PER TOWN)

EXISTING R/W

HINES STREET (F/K/A BRIDGE STREET)
SEE S. H. C. FILE NO. 2-166 (1959)
SEE D.O.T. FILE NO. 2-434 (1994) SHEET NO. 7
SEE D.O.T. FILE NO. S-2-91 (1958) (SHEET NO. 2)

VICTORIA STREET
F/K/A SALMON BROOK ROAD
ACCEPTED BY TOWN MEETING
JUNE 30, 1958
SEE D.O.T. FILE NO. S-2-91

SYMBOLS

• IP or • PIP (IRON PIPE OR PIN FOUND)	○ (WELL)
□ (SEPTIC TANK)	— GRADING LIMIT LINE
□ (ST. TRAVEL POINT)	— CONSTRUCTION LIMIT LINE
□ (TRAVERSE POINT)	— PROPERTY LINE
— WATER LINE	— LIMITS OF TROUGHT PORTION (LOW P.)
— GAS LINE	— EXISTING RIGHT OF WAY
— ELECTRIC LINE	— NEW RIGHT OF WAY
— TELEPHONE LINE	— NEW ROW WITHIN EXIST. ROW
— SEWER LINE	— CONTROL OF ACCESS

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	D.S.G.	
PROP. LINES	D.S.G.	
AREAS		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME. 04333-0016
WASHBURN
RIGHT OF WAY MAP

NO.	DATE	REVISIONS		PLAN FILED IN PLAN BOOK	PAGE	COUNTY RECORD								
		DESCRIPTION	BY			NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE			

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE HIGHWAY "337"
ROUTE 228/ HINES STREET (F/K/A BRIDGE STREET)
WASHBURN AROOSTOOK COUNTY
STATE PROJECT NO. 19922.00
NOVEMBER 2013 RIGHT-OF-WAY MAP
SCALE 1" = 25' SHEET 1 OF 1
D.O.T. FILE NO. 2- 560

SHEET NUMBER
4
OF 4

W.I.N. 019922.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



WESTFIELD AROOSTOOK COUNTY PRESTILE STREAM BRIDGE OVER PRESTILE STREAM BURLEIGH ROAD FEDERAL AID PROJECT NO. STP-1992(300) PROJECT LENGTH 0.000 mi. BRIDGE NO. 5037

HYDROLOGIC DATA

Drainage Area	54 sq mi
Design Discharge (Q50)	2,358 cfs
Check Discharge (Q100)	2,677 cfs
Headwater Elevation (Q50)	93.40 ft
Headwater Elevation (Q100)	93.85 ft
Discharge Velocity (Q50)	10.27 fps
Discharge Velocity (Q100)	10.73 fps
Headwater Elevation (Q10)	92.34 ft

TRAFFIC DATA

Current (2013) AADT 240

UTILITIES

Maine Public Service Company
Northern New England Telephone Operations, LLC (Fairpoint Communications)
Pioneer Wireless, Inc
Town of Westfield

Note: Scour Plan Of Action (POA) may be accessed at the following
MaineDOT web address: <http://www.maine.gov/mdot/comprehensive-list-projects/project-information.php>.

LIST OF DRAWINGS

Title Sheet	1
Quantities & Notes	2
General Plan and Profile	3
Right of Way Map	4

PROJECT LOCATION:	Prestile Stream Bridge (#5037) which carries Burleigh Road over Prestile Stream. 0.07 miles East of the intersection of Burleigh Road and Main Street. Lat, 46°34'15", Long. -67°55'11"
PROGRAM AREA:	Bridge
OUTLINE OF WORK:	Bridge Scour Countermeasures

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]* DATE: 12/17/13

COMMISSIONER: *[Signature]* 12-17-13

CHIEF ENGINEER: *[Signature]* 12-17-13



Michael Wright
SIGNATURE
8089
P.E. NUMBER
12/13/2013
DATE

PROGRAM	BRIDGE
PROJECT MANAGER	S. BOODGE
DESIGNER	J. BRICK / N. WIGHT
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN 19923.00

STP-1992(300)

WESTFIELD
PRESTILE STREAM BRIDGE
TITLE SHEET

SHEET NUMBER
1
OF 4

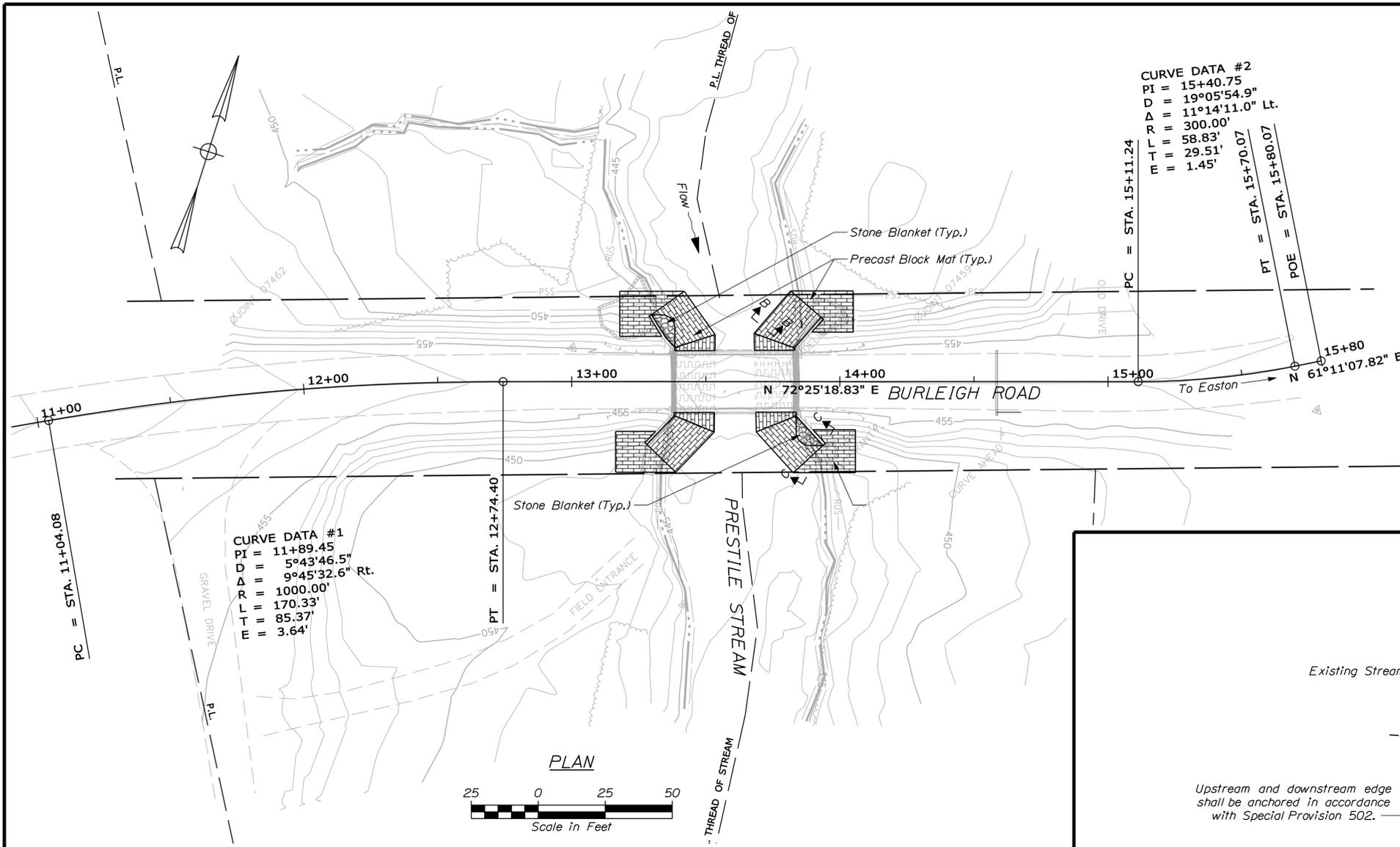
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ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	120	CY
502.83	PRECAST BLOCK MAT	3100	SF
511.07	COFFERDAM: ABUTMENT NO 1	1	LS
511.07	COFFERDAM: ABUTMENT NO 2	1	LS
610.11	STONE BLANKET	15	CY
613.319	EROSION CONTROL BLANKET	30	SY
615.0701	LOAM - PLAN QUANTITY	10	CY
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	2	UN
619.1201	MULCH - PLAN QUANTITY	2	UN
619.1401	EROSION CONTROL MIX	10	CY
620.58	EROSION CONTROL GEOTEXTILE	440	SY
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.121	HEAVY DUTY ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
652.33	DRUM	25	EA
652.34	CONE	50	EA
652.35	CONSTRUCTION SIGNS	200	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (60 CD)	1	LS
652.38	FLAGGER	40	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

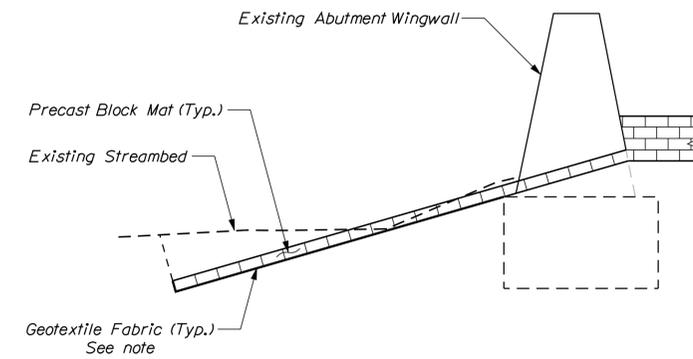
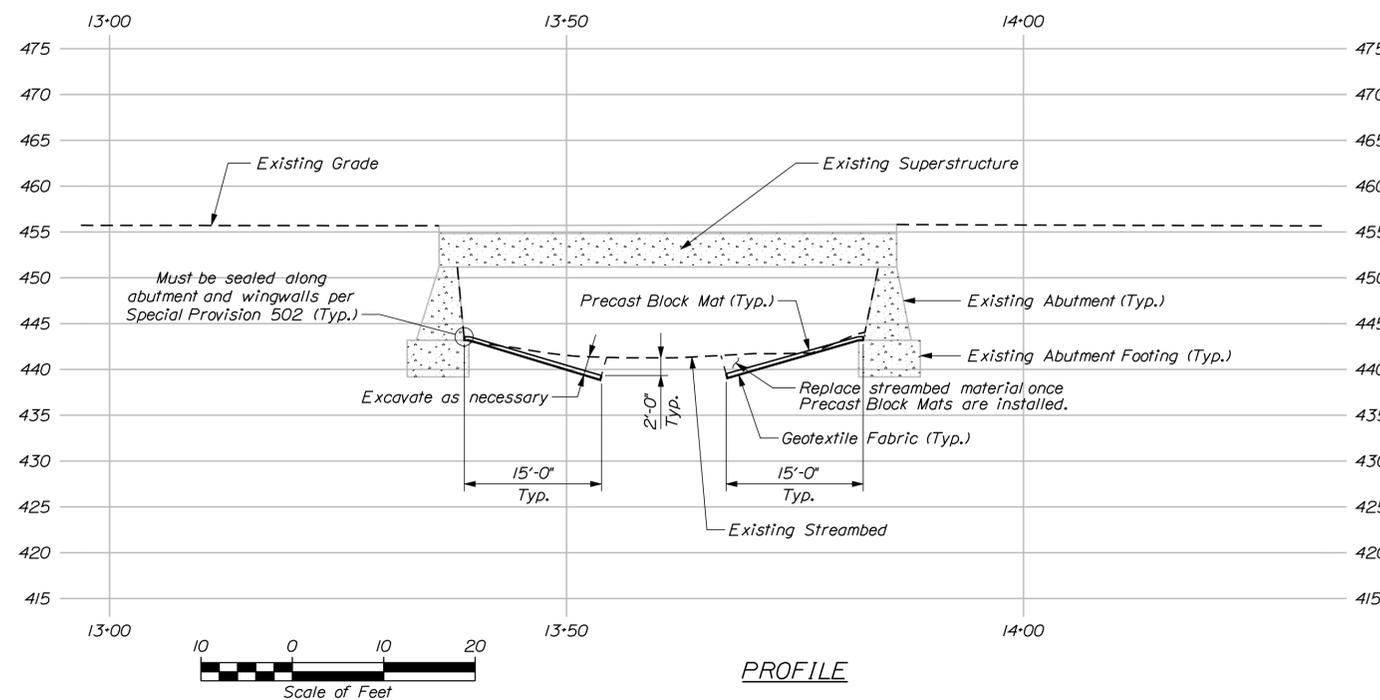
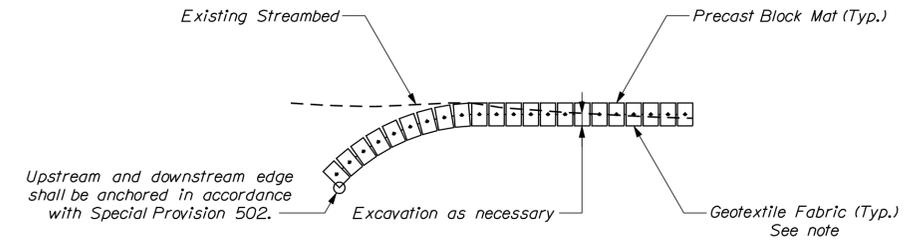
1. For easements, construction limits and right of way lines, refer to Right of Way Map.
2. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
3. Place riprap on sideslopes up to EL. 452.0.
4. Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/comprehensive-list-projects/project-information.php>.
5. The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. 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.
6. Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:
 - a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.
 - b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
 - c. If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation.
7. The two yellow and red scour placards attached to the substructure shall be removed and properly disposed of by the Contractor. This work shall not be paid for directly, but considered incidental to related contract items.
8. Under clearance on Prestile Stream Bridge is limited to approximately 2 feet. The Contractor shall plan their work with this limitation in mind.
9. Sections shown on the design plans depict "typical" conditions and the intent of the installation which may have to be altered to fit actual site conditions as directed by the Resident.
10. Areas shown of the countermeasure installation are approximate and represent the minimum dimensions desired. The Resident may direct modifications to fit site conditions.
11. Estimates of quantities are necessarily approximate. Payment will be made on an actual quantities installed to the satisfaction of the Resident.
12. Grout testing and curing boxes shall be considered incidental to related Contract Items.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		STP-1992(300)		PIN 19923.00		BRIDGE NO. 5037		BRIDGE PLANS	
PRESTILE STREAM BRIDGE		PRESTILE STREAM		AROSTOOK COUNTY		WESTFIELD		ESTIMATED QUANTITIES AND		GENERAL CONSTRUCTION NOTES	
SHEET NUMBER		2		OF		4					
PROJ. MANAGER	DESIGN-DETAILED	S. BOOGE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE				
CHECKED-REVIEWED	DESIGN-DETAILED	J. RUCK	D. SHAW								
DESIGN-DETAILED	DESIGN-DETAILED	B. NICHOLS									
REVISIONS 1	REVISIONS 1										
REVISIONS 2	REVISIONS 2										
REVISIONS 3	REVISIONS 3										
REVISIONS 4	REVISIONS 4										
FIELD CHANGES	FIELD CHANGES										



NOTES:

- Concrete cable mats shall bear directly on geotextile fabric. Geotextile fabric shall be considered incidental to Item No. 502.83.
- To the maximum extent possible, except to create a low flow channel, the top surface of the scour countermeasure shall match the existing streambed. The Contractor work shall not undermine or otherwise threaten the stability of the bridge foundations or retaining wall foundation.



PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILED		S. BOODE	
CHECKED-REVIEWED		J. BUCK	
DESIGN-DETAILED		D. SHAW	
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

