STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TRAFFIC DATA

Current (2011) AADT 790

HYDROLOGIC DATA

Drainage Area	13.32 sq mi
Design Discharge (Q50)	1920.9 cfs
Check Discharge (Q100)	2246.0 cfs
Headwater Elevation (Q50)	0 ft
Headwater Elevation (Q100)	46.8 ft
Discharge Velocity (Q100)	11.4 fps

LIST OF DRAWINGS

WELD
FRANKLIN
BOWLEY BROOK BRIDGE
OVER
BOWLEY BROOK
ROUTE 142
FEDERAL AID PROJECT NO. BH-1992(400)
PROJECT LENGTH 0.000 mi.
BRIDGE NO. 5362

WIN 19924.00

19924.00

UTILITIES

Central Maine Power TDS

MAINTENANCE OF TRAFFIC

Maintain two-way traffic whenever possible and when necessary, alternating 1 way traffic can be used.

PROJECT LOCATION:	On Dixfield Rd., Route 142, 0.46 mile South of the end of Mill St. 44° 41' 25.43"N 70° 25' 30.94"W
PROGRAM AREA:	Bridge
OUTLINE OF WORK:	Bridge Scour Countermeasures: Bowley Brook Bridge (#5362) which carries Route 142 over Bowley Brook.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE 9/11/13

COMMISSIONER: [signature]

CHIEF ENGINEER: [signature] — DATE 9-10-13

STATE OF MAINE · MICHAEL WIGHT · 8089 · REGISTERED PROFESSIONAL ENGINEER

Michael Wight [signature]

P.E. NUMBER 8089

DATE 9/6/2013

PROJECT INFORMATION

PROGRAM	BRIDGE
PROJECT MANAGER	STEPHEN BODGE
DESIGNER	MICHAEL WIGHT
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WELD
BOWLEY BROOK BRIDGE

TITLE SHEET

SHEET NUMBER 1 OF 5

Username: David.Sullivan Date:9/6/2013

Division: BRIDGE

Filename:\00\BRIDGE\MSTA\001_Title.dgn

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	20	CY
502.248	UNDERWATER GROUT BAGS	1	CY
502.83	PRECAST BLOCK MAT	1950	SF
511.07	COFFERDAM (LEFT ABUTMENT)	1	LS
511.07	COFFERDAM (RIGHT ABUTMENT)	1	LS
610.07	STONE FILL	60	CY
613.319	EROSION CONTROL BLANKET	20	SY
620.50	EROSION CONTROL FILTER LAYER - FOR STONE FILL	90	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	100	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (60 CD)	1	LS
652.38	FLAGGER	40	HR
656.75	TEMP SOIL EROSION & WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

1. Left and Right designations are based on looking downsteam.

2. Payment for equipment, labor, and materials to access the work, as well as re-establish original ground, will be considered incidental to related Contract Items.

3. The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract items.

4. Project information referred to below may be accessed at the following MaineDOT web address: http://www.maine.gov/mdot/contractors/

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. The Contractor shall field verify stream bed elevations along the upstream bridge fascia, downstream bridge fascia and along the centerline of the bridge. Streambed elevations shall be taken every five (5) feet along all three lines and provided to the Resident. The Resident will determine final streambed elevation(s) based on this information. This work shall not be paid for directly. Payment shall be considered incidental to related Contract Items.

7. 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.

8. Areas shown of the countermeasure installation are approximate and represent the minimum dimensions desired. The Resident may direct modifications to fit site conditions.

9. Estimates of quantities are necessarily approximate. Payment will be made on an actual quantities installed to the satisfaction of the Resident.

10. 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.

11. Excavation required for installation of countermeasures as shown on the plans shall be considered incidental to related Contract Items. Quantity estimate for Item 203.20 shall be for any additional miscellaneous excavation as directed by the Resident.

12. Grout testing and curing boxes shall be considered incidental to related Contract Items.

13. Countermeasure material to be placed on the adjacent wingwall banks of the bridge shall be similar to that described for the work in the streambed in front of the abuments, except that if stone protection exists on the banks, additional stone may be added to augment the protection, if approved by the Resident. The Resident may require removal of existing material judged unacceptable and installation of geotextile and filter material.

14. 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.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

19924.00

PIN 19924.00

BRIDGE NO. 5362

BRIDGE PLANS

PROJ. MANAGER	S. BOOGE	BY	DATE		
DESIGN-DETAILED	M. Wight	D. Sullivan			
CHECKED-REVIEWED	-----	-----	-----	SIGNATURE	
DESIGN2-DETAILED2	-----	-----	-----		
DESIGN3-DETAILED3	-----	-----	-----	P.E. NUMBER	
REVISIONS 1	-----	-----	-----		
REVISIONS 2	-----	-----	-----		
REVISIONS 3	-----	-----	-----	DATE	
REVISIONS 4	-----	-----	-----		
FIELD CHANGES	-----	-----	-----		

BOWLEY BROOK BRIDGE
BOWLEY BROOK
FRANKLIN
WELD

ESTIMATED QUANTITIES

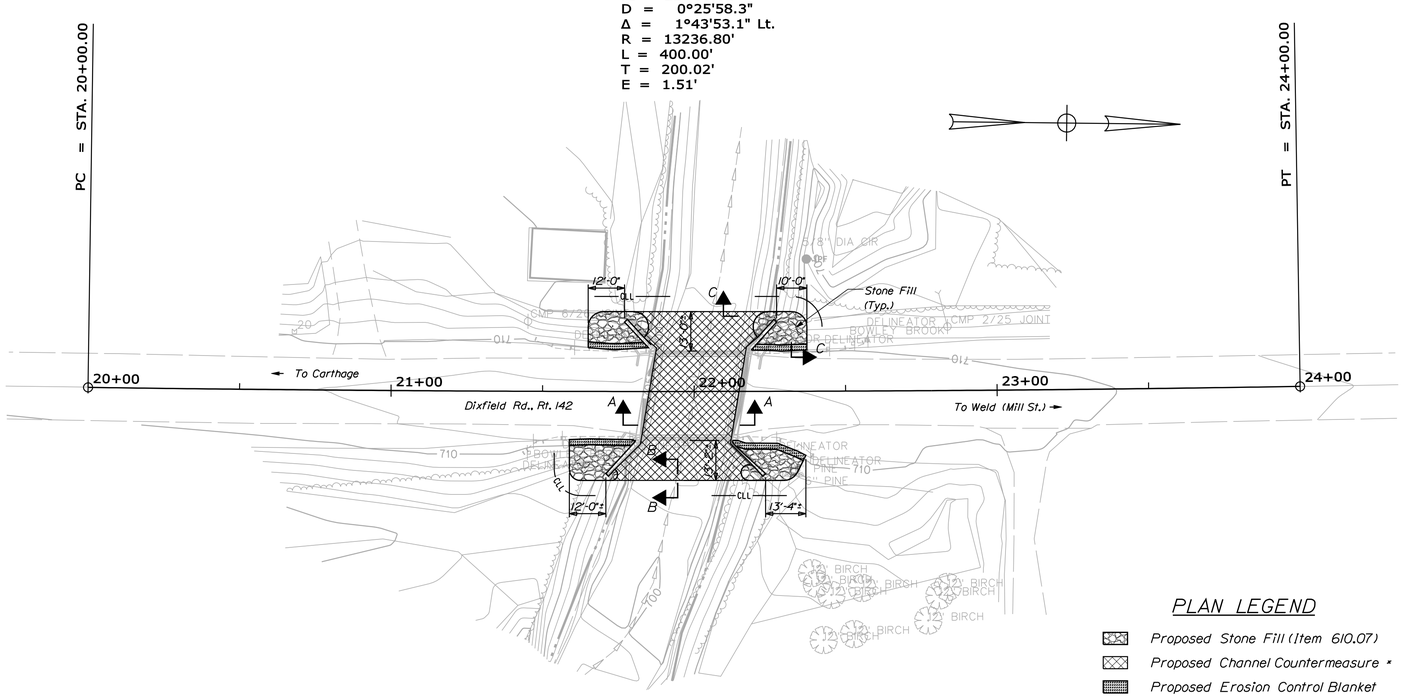
SHEET NUMBER

2

OF 5

Filename: ...\bridge\msto\002_Estimate.dgn Division: BRIDGE Username: David.Sullivan Date:9/13/2013

CURVE DATA #1
PI = 22+00.02
D = 0°25'58.3"
Δ = 1°43'53.1" Lt.
R = 13236.80'
L = 400.00'
T = 200.02'
E = 1.51'



PLAN

25 0 25 50
Scale in Feet

NOTES:
1. See countermeasure detail sheet for Sections A-A, B-B and C-C.

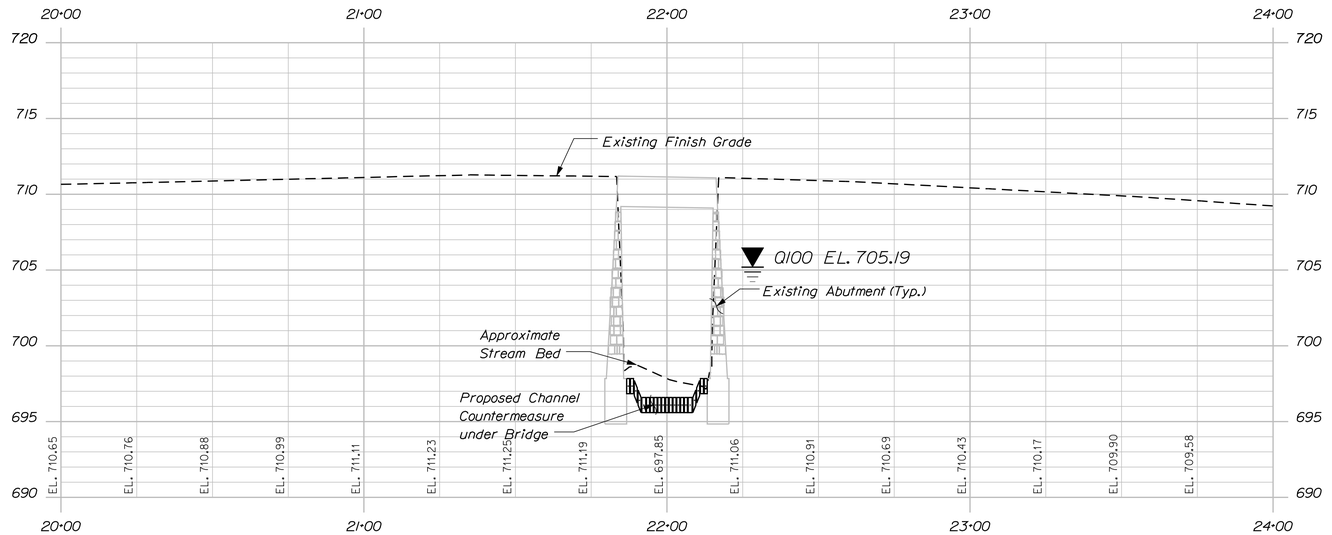
2. Channel countermeasures shall extend a minimum of thirteen (13) feet± from the downstream fascia and upstream fascia.

3. The existing north abutment is undermined underneath the original abutment section made of dry laid stone. The area undermined is approximately 20 feet long with the deep varying between 4 and 8 inches with the undermining ranging from 2 to 3 feet. The undermined area and any other adjacent void spaces shall be filled in with underwater grout bags in accordance with Special Provision Section 502 Underwater Grout Bags dated 8-30-2013.

PLAN LEGEND

- Proposed Stone Fill (Item 610.07)
- Proposed Channel Countermeasure *
- Proposed Erosion Control Blanket

* See sections on Countermeasure Detail sheet for minimum thickness requirements.



PROFILE

Horiz. 25 0 25 50
Vert. 5 0 5 10
Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

19924.00

PIN 19924.00

BRIDGE NO. 5362

BRIDGE PLANS

	BY	DATE
S. BODGE		
M. Wight	D. Sullivan	-----
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	-----	-----
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

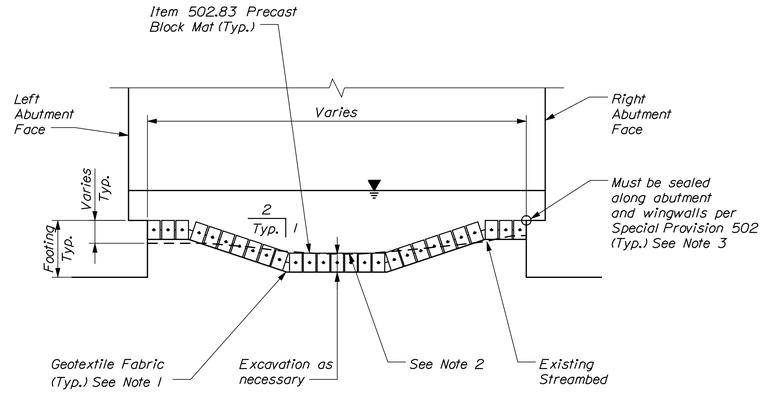
DATE

BOWLEY BROOK BRIDGE
BOWLEY BROOK
FRANKLIN
WELD

PLANS

SHEET NUMBER
3
OF 5

PRECAST BLOCK MAT



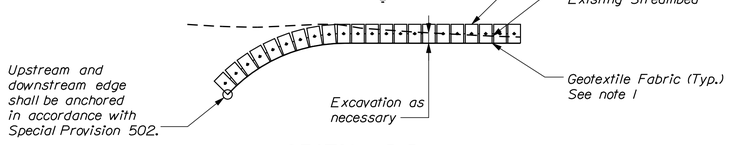
SECTION A-A

NOTES:
1. The protective aggregate cushion of the erosion control filter layer shall be six (6) inches thick beneath the stone fill. Precast block mats shall bear directly on geotextile fabric. Geotextile fabric under concrete cable mats shall be considered incidental to Item 502.83.

2. For required low flow channel dimensions, see the related countermeasure specification. Upstream and downstream transition of low flow channel to existing streambed shall be as directed by the Resident.

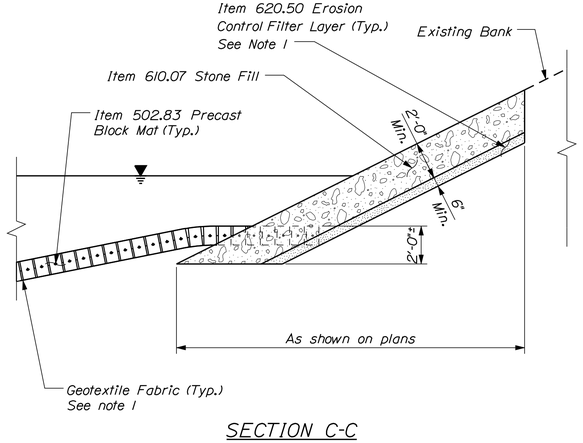
3. To the maximum extent possible, except to create a low flow channel, the top surface of the scour countermeasure shall match the existing streambed. The Contractor's work shall not undermine or otherwise threaten the stability of the bridge foundations or retaining wall foundation.

4. The thickness of the precast block mat shall be 4.5 inches.

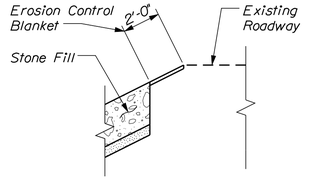


SECTION B-B

NOTE: Upstream shown, downstream similar



SECTION C-C



BERM DETAIL (Typ.)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

19924.00

WIN 19924.00 BRIDGE PLANS

BRIDGE NO. 5362

PROJ. MANAGER	S. BRIDGE		
DESIGN-DETAILED	M. Wight		
CHECKED-REVIEWED	-----		
DESIGN2-DETAILED2	-----		
DESIGN3-DETAILED3	-----		
REVISIONS 1	-----	BY	DATE
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	D. Sullivan	

SIGNATURE

P.E. NUMBER

DATE

BOWLEY BROOK BRIDGE
BOWLEY BROOK
FRANKLIN
WELD

COUNTERMEASURE DETAILS

SHEET NUMBER

4

OF 5

SEE BOUNDARY SURVEY
PREPARED FOR CECILE L. BUCK
BY YORK HILL SURVEYING, 10/24/1990
PLAN NOT RECORDED

GRID 19XX
ZONE
N

CURVE DATA #1
PI = 22+00.02
D = 0°25'58.3"
Δ = 1°43'53.1" Lt.
R = 13236.80'
L = 400.00'
T = 200.02'
E = 1.51'

PC = STA. 20+00.00

HEIRS OF RODNEY A. HUTCHINSON
ITEM NO. (1)
TEMP. CONST. RIGHTS = 1,400± S.F. (1)
TOTAL AREA = 7.0± AC. (PER TOWN)

EDWARD L. SIMANEK
BETTY J. SIMANEK
ITEM NO. (3)
TEMP. CONST. RIGHTS = 0.06± AC. (1)
TOTAL AREA = 17.5± AC. (PER DEED)

PT = STA. 24+00.00

1,400± S.F. TEMP. CONST. LIMITS
TEMP. CONST. LIMITS
0.06± AC.
5/8" DIA CIR
IPF
GARAGE
BOWLEY BROOK
P.L.
CLL
BEGIN B.L.
20+00
TO CARTHAGE
STATE AID HIGHWAY NO. 1
21+00
400.00'
22+00
23+00
ROUTE 142 DIXFIELD ROAD
END B.L.
24+00
+10
+64±
+75
+75±
+98±
+73±
+41±
+33±
+87±
DELINEATOR
CMP 2/25 JOINT
BOWLEY BROOK
PINE
"8" PINE
BIRCH
1,744± S.F.
1,737± S.F.
TEMP. CONST. LIMITS
TEMP. CONST. LIMITS
42' WIDE RIGHT OF WAY TO OTHERS
N/F ANNABELLE H. BANTON
N/F KEVIN A. COCHRAN

JOHN E. COX III
ITEM NO. (2)
TEMP. CONST. RIGHTS = 1,744± S.F. (1)
TOTAL AREA = 8± AC. (PER DEED)

KEVIN A. COCHRAN
ITEM NO. (4)
TEMP. CONST. RIGHTS = 1,737± S.F. (1)
TOTAL AREA = 30± AC. (PER DEED)

EXISTING RIGHT OF WAY REFERENCES

OXFORD COUNTY
VOL. 1 PAGE 465
1829, 4 RODS WIDE

NOTE: ITEMS 1 & 2, PROPERTY LINES PER DEED DESCRIPTIONS REFER TO STREAM BANK.
ALL AREAS INCLUDED IN PARCEL SET-UPS CALCULATED TO THE THREAD OF THE STREAM.

BRIDGE NO. 5362 BOWLEY BROOK BRIDGE OVER BOWLEY BROOK WIN 19924.00

SYMBOLS
- ● IP or ● PP (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- (ROW MONUMENT)
- ⊕BM (TRAVERSE POINT)
- ○WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE P.L.
- LIMITS OF TYPE OF RIGHT-OF-WAY (CONV.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- W WATER LINE
- G GAS LINE
- E ELECTRIC LINE
- T TELEPHONE LINE
- SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

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

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE AID HIGHWAY NO. 1
ROUTE 142 DIXFIELD ROAD
WELD FRANKLIN COUNTY
FEDERAL AID PROJECT NO. BH-1992(400)

JULY 2013	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 4-253
SCALE 1" = 25'	SHEET 1 OF 1	

SHEET NUMBER
5
OF 5

Filename: ...\00\ROW\MSTA\001_RWPLAN1.dgn Username: David.Sullivan Date:9/13/2013 Division: BRIDGE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TRAFFIC DATA

Current (2011) AADT 790

HYDROLOGIC DATA

Drainage Area	10.17 sq mi
Design Discharge (Q50)	1671.9 cfs
Check Discharge (Q100)	1962.3 cfs
Headwater Elevation (Q50)	57.6 ft
Headwater Elevation (Q100)	58.3 ft
Discharge Velocity (Q100)	13.4 fps

LIST OF DRAWINGS

WELD
FRANKLIN
HOUGHTON BROOK BRIDGE
OVER
HOUGHTON BROOK
ROUTE 142
FEDERAL AID PROJECT NO. BH-1992(500)
PROJECT LENGTH 0.000 mi.
BRIDGE NO. 5361

UTILITIES

Central Maine Power — TDS

MAINTENANCE OF TRAFFIC

Maintain two-way traffic whenever possible and when necessary, alternating 1 way traffic can be used.

PROJECT LOCATION:	On Dixfield Rd., Route 142, 0.02 miles South of the end of Mill St. 44° 41' 48.02"N 70° 25' 32.19"W
PROGRAM AREA:	Bridge
OUTLINE OF WORK:	Bridge Scour Countermeasures: Houghton Brook Bridge (#5361) which carries Route 142 over Houghton Brook.

WIN 19925.00

19925.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED
COMMISSIONER: — DATE 9/11/13
CHIEF ENGINEER: Dwight D. Taylor — DATE 9-10-13

STATE OF MAINE · Michael Harry Wright · 8089 · LICENSED PROFESSIONAL ENGINEER

Michael Wright
SIGNATURE 8089
P.E. NUMBER 9/6/2013
DATE

PROJECT INFORMATION

PROGRAM	Bridge
PROJECT MANAGER	S. Bodge
DESIGNER	Michael Wright
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WELD
HOUGHTON BROOK BRIDGE

TITLE SHEET

SHEET NUMBER
1
OF 5

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	20	CY
502.83	PRECAST BLOCK MAT	1850	SF
511.07	COFFERDAM (LEFT ABUTMENT)	1	LS
511.07	COFFERDAM (RIGHT ABUTMENT)	1	LS
610.07	STONE FILL	60	CY
613.319	EROSION CONTROL BLANKET	20	SY
620.50	EROSION CONTROL FILTER LAYER - FOR STONE FILL	80	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	100	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (60 CD)	1	LS
652.38	FLAGGER	40	HR
656.75	TEMP SOIL EROSION & WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

1. Left and Right designations are based on looking downsteam.

2. Payment for equipment, labor, and materials to access the work, as well as re-establish original ground, will be considered incidental to related Contract Items.

3. The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract items.

4. Project information referred to below may be accessed at the following MaineDOT web address: http://www.maine.gov/mdot/contractors/

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. The Contractor shall field verify stream bed elevations along the upstream bridge fascia, downstream bridge fascia and along the centerline of the bridge. Streambed elevations shall be taken every five (5) feet along all three lines and provided to the Resident. The Resident will determine final streambed elevation(s) based on this information. This work shall not be paid for directly. Payment shall be considered incidental to related Contract Items.

7. 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.

8. Areas shown of the countermeasure installation are approximate and represent the minimum dimensions desired. The Resident may direct modifications to fit site conditions.

9. Estimates of quantities are necessarily approximate. Payment will be made on an actual quantities installed to the satisfaction of the Resident.

10. 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.

11. Excavation required for installation of countermeasures as shown on the plans shall be considered incidental to related Contract Items. Quantity estimate for Item 203.20 shall be for any additional miscellaneous excavation as directed by the Resident.

12. Grout testing and curing boxes shall be considered incidental to related Contract Items.

13. Countermeasure material to be placed on the adjacent wingwall banks of the bridge shall be similar to that described for the work in the streambed in front of the abuments, except that if stone protection exists on the banks, additional stone may be added to augment the protection, if approved by the Resident. The Resident may require removal of existing material judged unacceptable and installation of geotextile and filter material.

14. 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.

15. An existing dry hydrant is located at station 23+05 +/-, 50' right. The Contractor shall conduct operations so that this dry hydrant is not damaged. Any damage shall be repaired at the Contractor's expense. The existing dry hydrant currently does not operate. The Contractor shall try to clean or unplug the dry hydrant. If the dry hydrant still does not work after cleaning than the dry hydrant shall be replaced. The town of Weld shall provide all the materials needed to replace the dry hydrant, if replacement is deemed necessary per the Resident. The work to clean, unplug or replace the dry hydrant shall be paid for as force account work per MaineDOT Standard Specification subsection 109.7.5. Time and any other miscellaneous materials needed shall be paid for as force account work.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

19925.00

PIN 19925.00

BRIDGE NO. 5361

BRIDGE PLANS

PROJ. MANAGER	S. Bodge	BY	DATE
DESIGN-DETAILED	M. Wight	D. Sullivan	
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

HOUGHTON BROOK BRIDGE
HOUGHTON BROOK
WELD FRANKLIN

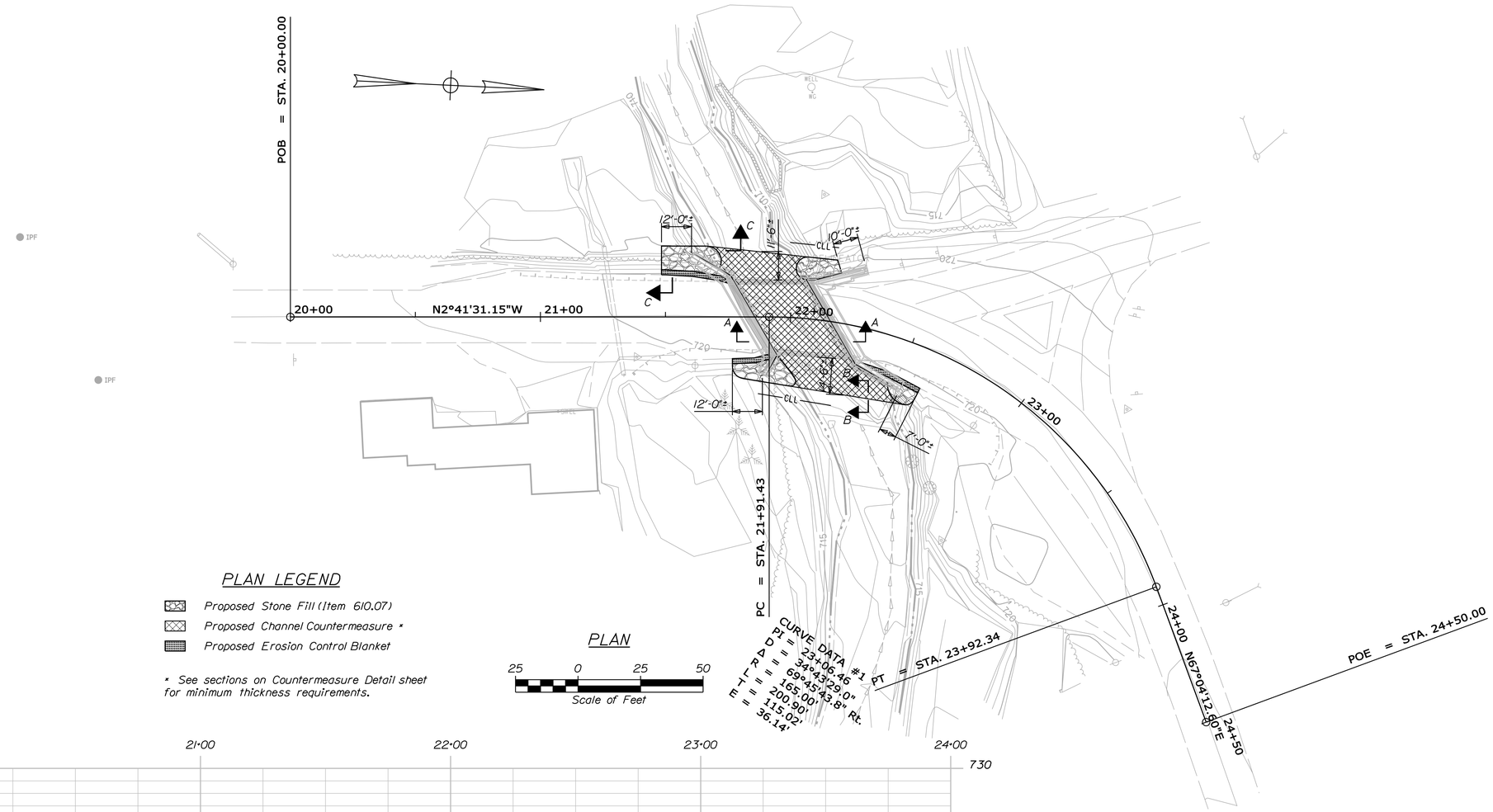
ESTIMATED QUANTITIES

SHEET NUMBER

2

OF 5

Filename: ...\BRIDGE\MSTA\002_Estimate.dgn Division: BRIDGE Username: David.Sullivan Date:9/19/2013



PLAN LEGEND

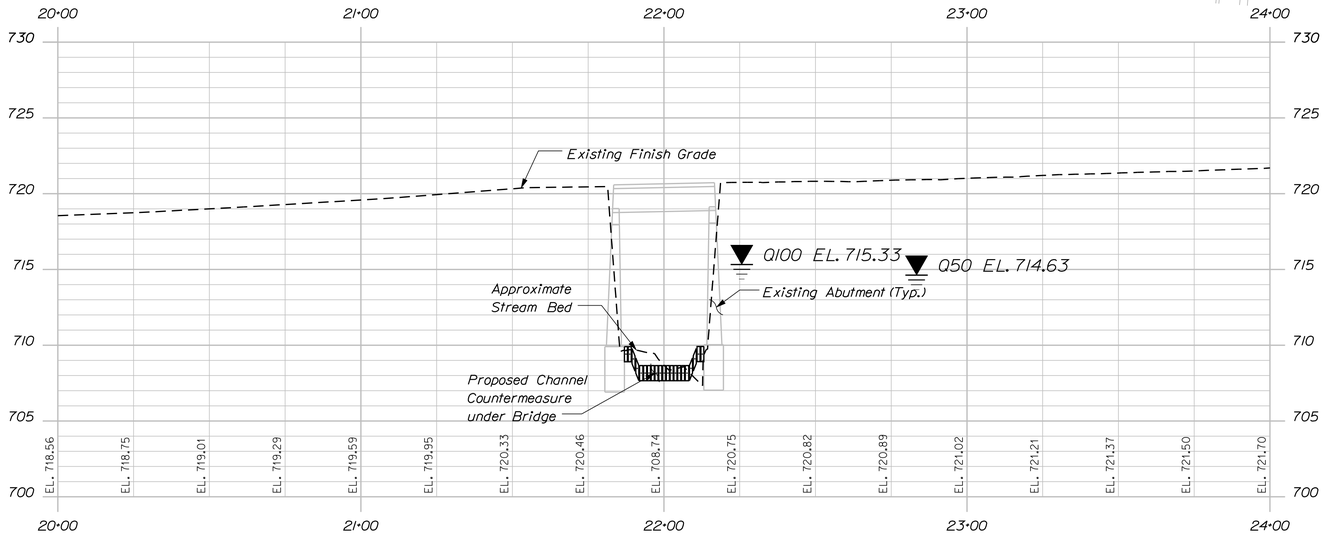
- Proposed Stone Fill (Item 610.07)
- Proposed Channel Countermeasure *
- Proposed Erosion Control Blanket

* See sections on Countermeasure Detail sheet for minimum thickness requirements.

PLAN

25 0 25 50

Scale of Feet



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

19925.00

PIN 19925.00

BRIDGE NO. 5361 — BRIDGE PLANS

	BY	DATE
PROJ. MANAGER	S. Bridge	
DESIGN-DETAILED	D. Sullivan	
CHECKED-REVIEWED	M. Wight	
DESIGN2-DETAILED2	------	------
DESIGN3-DETAILED3	------	------
REVISIONS 1	------	------
REVISIONS 2	------	------
REVISIONS 3	------	------
REVISIONS 4	------	------
FIELD CHANGES	------	------

SIGNATURE

P.E. NUMBER

DATE

HOUGHTON BROOK BRIDGE
HOUGHTON BROOK
FRANKLIN
WELD

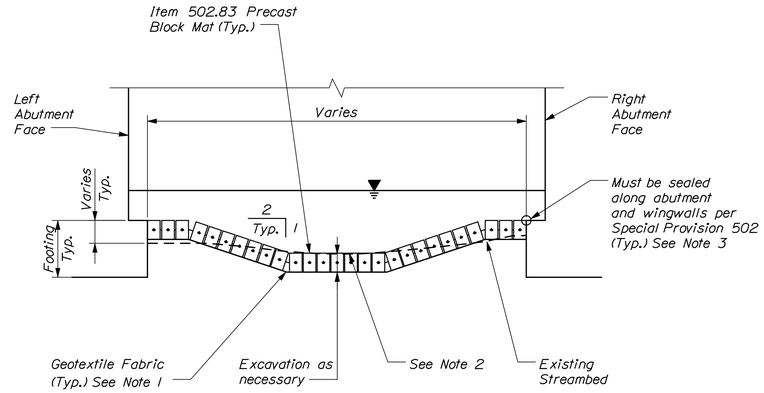
PLANS

SHEET NUMBER

3

OF 5

PRECAST BLOCK MAT



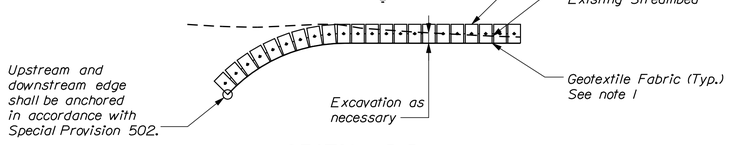
SECTION A-A

NOTES:
1. The protective aggregate cushion of the erosion control filter layer shall be six (6) inches thick beneath the stone fill. Precast block mats shall bear directly on geotextile fabric. Geotextile fabric under concrete cable mats shall be considered incidental to Item 502.83.

2. For required low flow channel dimensions, see the related countermeasure specification. Upstream and downstream transition of low flow channel to existing streambed shall be as directed by the Resident.

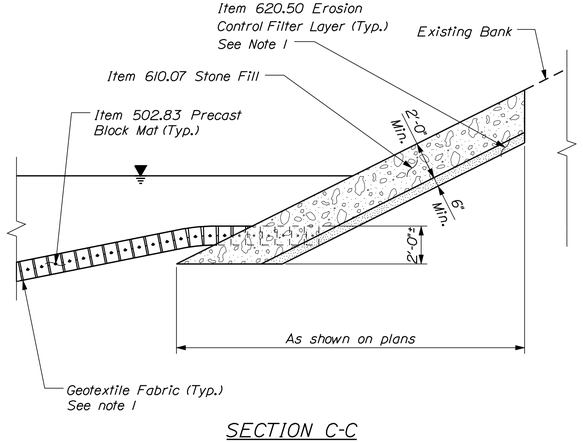
3. To the maximum extent possible, except to create a low flow channel, the top surface of the scour countermeasure shall match the existing streambed. The Contractor's work shall not undermine or otherwise threaten the stability of the bridge foundations or retaining wall foundation.

4. The thickness of the precast block mat shall be 5.5 inches.

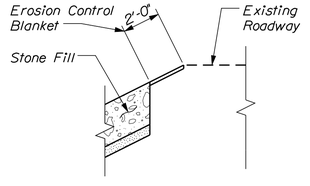


SECTION B-B

NOTE: Upstream shown, downstream similar



SECTION C-C



BERM DETAIL (Typ.)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

19925.00

WIN 19925.00

BRIDGE NO. 5361

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER	S. Bridge	
DESIGN-DETAILED	D. Sullivan	
CHECKED-REVIEWED	M. Wight	
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

P.E. NUMBER

DATE

HOUGHTON BROOK BRIDGE
HOUGHTON BROOK
WELD FRANKLIN

COUNTERMEASURE DETAILS

SHEET NUMBER

4

OF 5

EXISTING RIGHT OF WAY REFERENCES

OXFORD COUNTY
VOL. 1 PAGE 465
1829, 4 RODS WIDE

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

NOTE: ITEMS 2 & 3, PROPERTY LINES PER DEED DESCRIPTIONS REFER TO STREAM BANK. ALL AREAS INCLUDED IN PARCEL SET-UPS CALCULATED TO THE THREAD OF THE STREAM.

BRIDGE NO. 5361 HOUGHTON BROOK BRIDGE OVER HOUGHTON BROOK WIN 19925.00

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS		

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE

DAVID BERNHARDT
COMMISSIONER
JOYCE NOEL TAYLOR
CHIEF ENGINEER
DATE

STATE AID HIGHWAY NO. 1
ROUTE 142 DIXFIELD ROAD
WELD FRANKLIN COUNTY
FEDERAL AID PROJECT NO. BH-1992(500)

JULY 2013 | SCALE 1" = 25' | RIGHT-OF-WAY MAP SHEET 1 OF 1 | D.O.T. FILE NO. 4-254

SHEET NUMBER
5
OF 5