BRIDGES 1912

JOSHUA HADLEY ARCH
VINE ST. BRIDGE
HORACE REEVES ARCH
BUIS BRIDGE
WHICKER BRIDGE
COATSVILLE BRIDGE
JOHN UNDERWOOD BRIDGE
J.L.LEAK BRIDGE
MARION BAILEY BRIDGE
R.LONG ARCH
MCKINLEY ST.BRIDGE
A.A.ROSS BRIDGE
H.VICE BRIDGE
KENDALL BRIDGE
C.A. HITE ROAD BRIDGE
MAHONEY BRIDGE
HUFFORD ARCH
COOK BRIDGE
PINHOOK RETAINING WALL
COOPER ARCH
HARPER HAYWORTH ARCH
KREIGH BRIDGE BILL HARRIS
RAMSEY
JOHN BUNDY ARCH.
MEDSKER BRIDGE
HORNADAY BRIDGE
PATTERSON BRIDGE
SEARS BRIDGE

Hopkins
59'7"

Joshua Hadley Arch

Sta	+	−	⊼	Rod	Elev.		
B.M.	0.44		100.44			Cut	Fill
0				5.55	94.89	96.19	3.26
1				6.50	93.94		
1+40	W. abutment			9.45	90.99	100.19	
2+20				10.90	89.54		
W.L.				12.75	87.69		
3	E. abutment			11.90	88.54		
4				7.45	92.99	97.60	
5				4.90	95.54	97.60	
6				0.00	100.44	99.70	

Running W. to E
All statione = 50'
60' Span.
Wings 15' spayed.
Roadway 18' clear
Found. 5' below springline

App. $7000.00

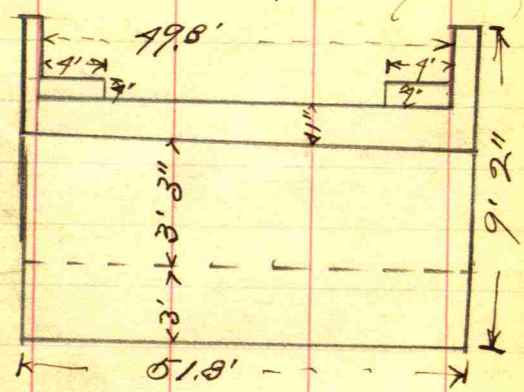
12.75
.39
12.36

B.M. 0.26
W.L. 12.22
W. Stake 10.47
E Stake 11.05

B.M. Cen. on top Cor. fence post S. side road & E. side Stream

Vine Street Bridge — Plainfield — App. # 750

Sta.	+	−	℄	Rod.	Elev.	
0			107.70	5.65	99.05	99.65
1				5.70	99.00	99.10
	S.E. cor. S. end E. wall			7.70	100.00	
	N.E. " N. " E. "	S.		7.71	99.99	
	N.W. " N. " W. "	S		7.61	100.09	
	S.W " S " W "	N.		7.71	99.99	
W.L.				9.20	96.50	
2	S. abutment			7.62	100.08	99.46
3				5.49	99.21	99.21
4				5.92	98.78	98.78



35 Unit Trusses 18" o centers

3/4" on each side

Running N. to S.

All Stations = 50'

10' Span

No wings

99.8' Clear Roadway

Horace Reeves Arch — Guilford Tp. — App. $5500

Sta.	+	−	H	Rod	Elev.		
0			103.50	3.50	100.00	100.00	B.M. Notch & nail
0+36						100.00	on Oak tree N side
1				4.50	99.00		road & E. of N & S road.
2				4.60	98.90		
3	E. abutment			7.46	96.04		
W. L or 3+40'				10.60	92.90	106.65	
4				10.10	93.40	92.00	
4+30	W. abutment			8.20	95.30	13.75	
5				6.45	97.05		
6				3.90	99.60		
7				4.35	99.15	99.95	
B.M.				2.53	100.97		

Running E. to W.

All stations = 50'

80' Span

18' Clear roadway

12' Rise

15" Crown thickness

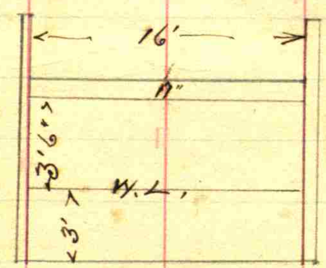
Pro1 ✓

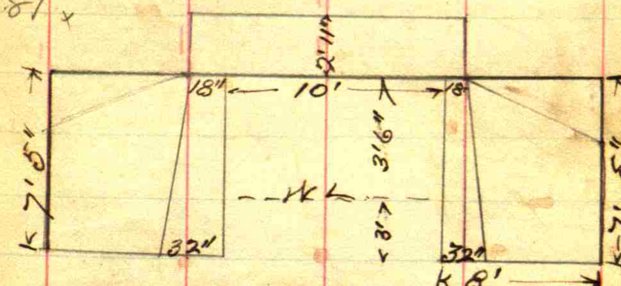
Buis Bridge

Sta.	+	−	HI	Rod	Elev.	
B.M.	6.91		106.91		100.00	B.M. On found. to cor. post S. sideroad & E. side stream.
0				5.55	100.86	100.36 x
1				5.80	101.11	
2 W. abutment				6.20	100.71	102.40 x ~~102.40~~
~~2+10~~ W.L.				9.25	97.66	~~102.40~~
2+10 E. abut & on old bridge				6.20	100.71	102.40 x
3				5.45	101.41	102.00 x
3+20'						102.00 x
4				4.10	102.81	102.81 x

Running W. to E.
All sta. = 50'
10' Span
16' Clear Roadway same as Guilbert
Wings Parallel cen. road.

Franklin Tp. App. $400.00





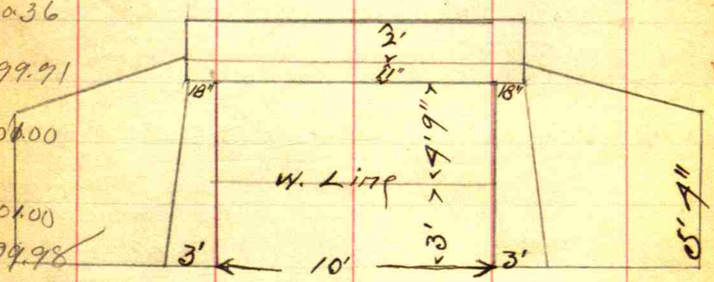
12 Unit Trusses 18" o Ctrs
9" each side

Pd ✓

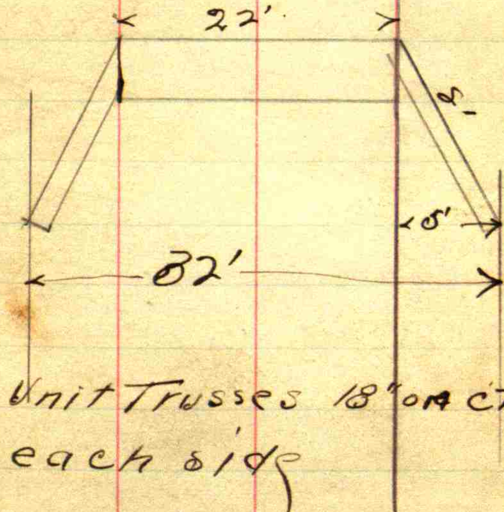
Whicker Bridge (On National road) Franklin Tp. App. # 708

Sta	+	−	⊼	Rod,	Elev,	
B.M.	5.26		105.26		100.00	
0				4.90	100.36	100.36
1				5.35	99.91	99.91
2 W. abut. & on old bridge				5.65	99.61	100.00
W.L				10.20	95.06	
2+10'						100.00
3				5.28	99.98	99.98
4				4.45	100.81	100.81

B.M. On top 1st short fence post W. stream & S. of road — Post against a taller Post.



Running E to W.
All Sta. = 50'
10' Span.
20' Clear Roadway
Bottom new floor to be at top old.



16 Unit Trusses 18" on ctrs
6" each side

Coatesville Bridge

Sta	+	-	⊼	Rod	Elev	
0			103.95	3.95	100.00	100.00
1				4.70	99.25	
2 E. abutment.				4.55	99.40	
On sidewalk S.E. end bridge				4.41	99.54	
" " " NW " "				4.51	99.44	
" Concrete Water pavement				7.06	96.90	
3				4.15	99.80	
4				3.00	100.95	

Running E to W.

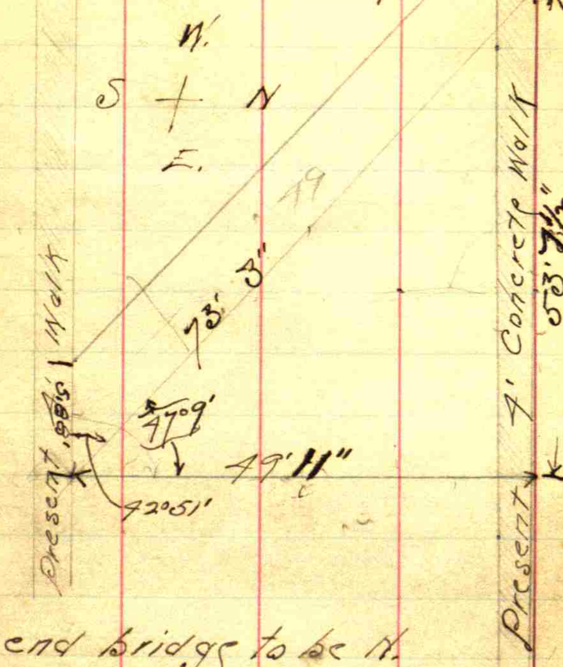
4' Span

No parapet or Wingwalls

12" Surface inlet 7" from S. edge N. walk

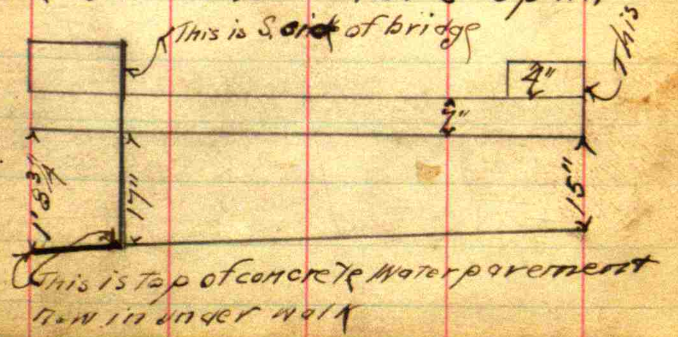
12" " " 7 " N " S. "

App. #400.00



S.E. end bridge to be N. edge S. walk

Use Unit Trusses for 6' span.



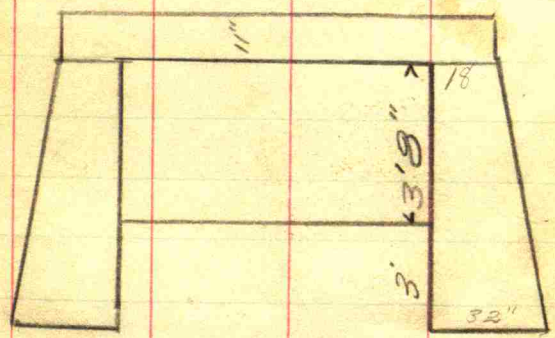
John Underwood Bridge

Sta.	+	−	↑ Rod.	Elev.
B.M.	6.25		106.25	100.00
0			4.80	101.45
1			5.15	101.10
2			5.65	100.60
3			5.75	100.50
4 E. abutment			4.95	101.30
W.L.			9.10	97.16
5			5.05	101.20
6			4.35	101.90
7			3.20	103.05
8			1.70	104.55

Running W. to E
All Sta. = 50'
10' Span
20' Clear Roadway
Wings Splayed 5'

Marion Tp. App. #100

B.M. On large stone in stream N. of road,
On stone 6.15
On Post 2.35
On Bridge 4.95
W.L. 9.15'



PM

T. L. Leak. Bridge

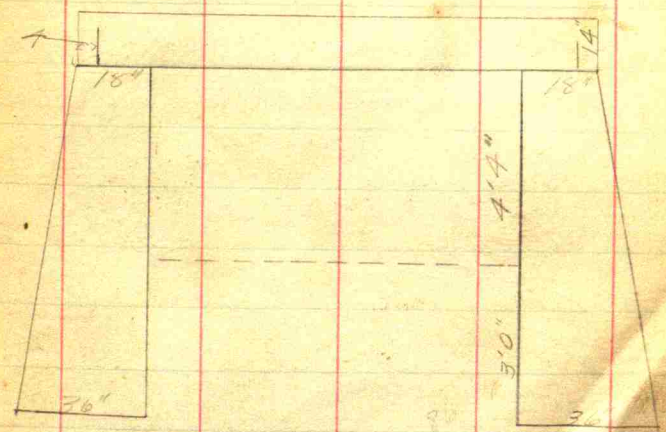
Sta.	+	−	H	Rod	Elev.
BM.	1.09		101.09		100.00
0				5.70	95.39
1				5.30	95.79
W.L				11.70	89.39
2 S. abut & on old bridge				5.15	95.94
3				5.10	95.99
4				5.00	96.09

Running N. to S.
Fill sta. = 50'
14' Span
18' Clear Roadway
7° Skew left wheel forward.
N.W. wing parallel cen. road.
S.W. to extend out on line with face abut.
Other wings Spayed.

Floor 1'2'
Waterway 9'9'

Union Tp App. $650.00

B.M. Top large round fence post W. side road & S. side stream.



Marion Bailey Bridge

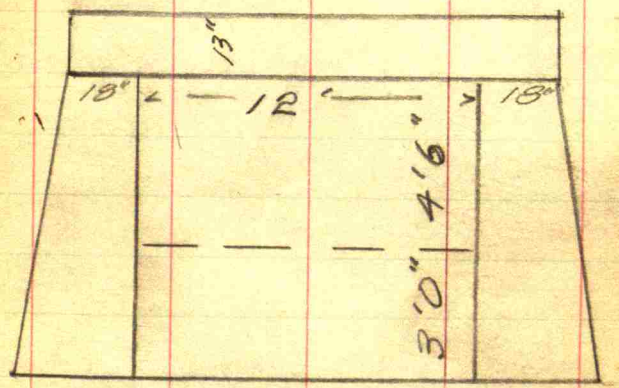
Sta.	+	−	H.	Rod.	Elev.
B.M.	5.87		105.87		100.00
0				4.46	101.42
1				4.65	101.22
W.L				10.10	95.77
2 N. abut & on old bridge				4.85	101.02
3				4.50	101.37
4				4.70	101.17

Running S. to N.
All Sta. = 50'
12' Span
18' Clear Roadway
All wings perp. to cen. road.

Union Tp. App #600.

B.M. S.W. cor. concrete wall E. side road.

100
95.77
4.23



R. Long Arch — Eel River — Tp

Sta	+	−	℄	Rod	Elev.
B.M.	1.48		101.48		100.00,
0				2.45	99.03
1				4.25	97.23
2				5.00	96.48
3	E. abutment			5.75	95.73
4				7.75	93.73
W.L.				10.50	90.98
5	In stream			9.00	92.48
6				5.15	96.33
7				2.90	98.58
8				1.60	99.88
9				0.50	100.98

Running E. to W.
All sta. = 50'
70' Span
16' Clear Roadway
15' Wings Sloped

App #3400

B.M. Knot on N. side Elm tree
S. side road & E. of stream

100
90.98
9.02

100
92.48
7.02

9.02
7.02
1.00

McKinley Street Bridge.

Sta.	+	−	↑	Rod Elev
B.M.	3.37		103.37	100.00
0			6.60	96.77
1			6.00	97.37
2			5.50	
3	On cen. bridge		4.86	
4			4.55	
5			3.80	
6			2.35	
W.L. S. end			11.15	
W.L. N. "			8.55	

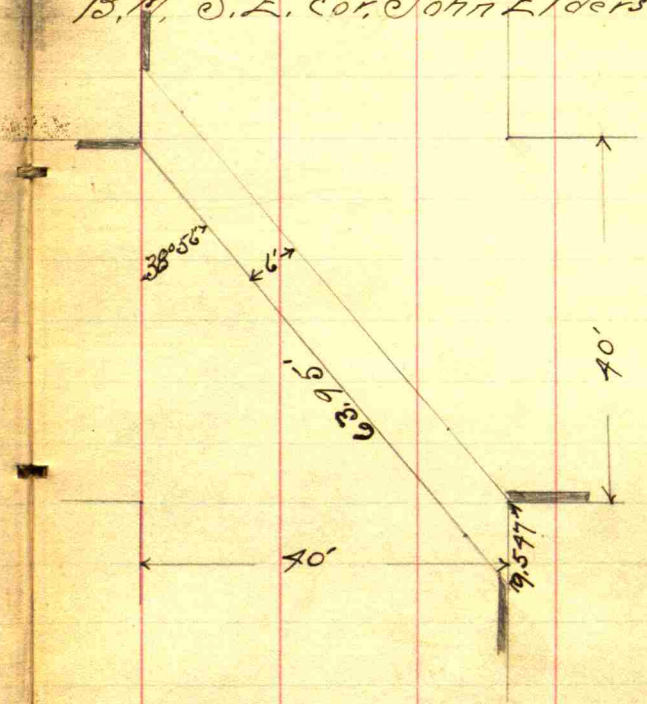
Running S. to N.

All sta. = 50'

6' Span.

North Salem App. #600

B.M. S.E. cor. John Elders Veranda.

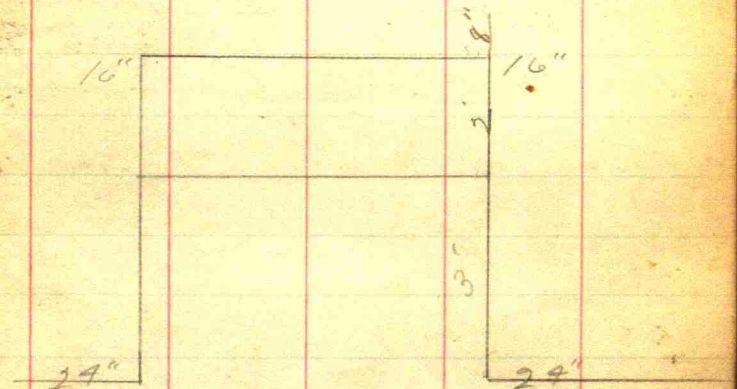


A. A. Ross Bridge — Washington Tp — App. #300

Sta	+	−	π	rod.
B.M.	1.28		101.23	
0				4.15 97.08
1				4.40 96.83
2	E. abutment			4.60 96.63
W.L.	At S. end sewer			7.35 93.88
	" N. " "			8.15 93.08
3				4.90 96.33
4				5.20 96.03

Running E to W.
All sta. = 50'
8' Span
18' Clear Roadway
N.E. Wing right angle across ditch
All other Wing parallel cen. road.

B.M. Top large cor. post S. & W. Sides of roads.



H. Vice Bridge - On Keeny road - Union Tp

Sta.	+	−	⊼	Rod	
B.M.	3.22		103.22	100.00	
0				3.60	99.62
1				4.10	99.12
2 S. abutment				4.20	99.02
W.L				9.45	93.77
3				3.35	99.87
4				4.40	98.82

Running S. to N.
All Sta. = 50'
8' Span
18' Clear Roadway

BM. 3.60
Slab 2.05
4.65

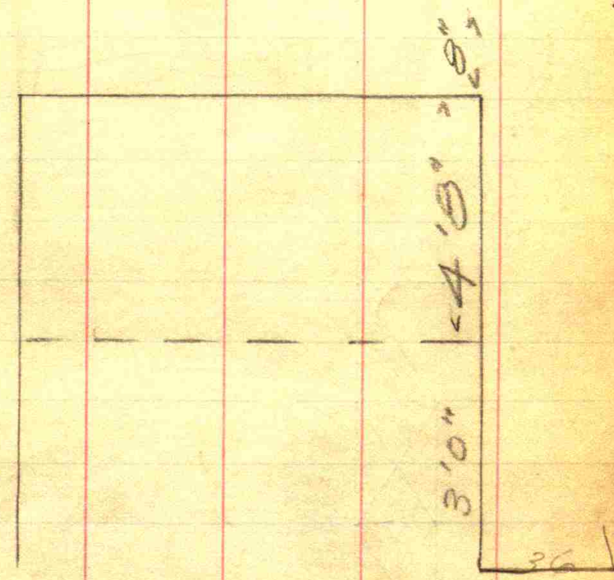
103.65
2.05
101.60

103.65
4.65
99.

App. 300^{00}

B.M. On Cen. stump E. of road.

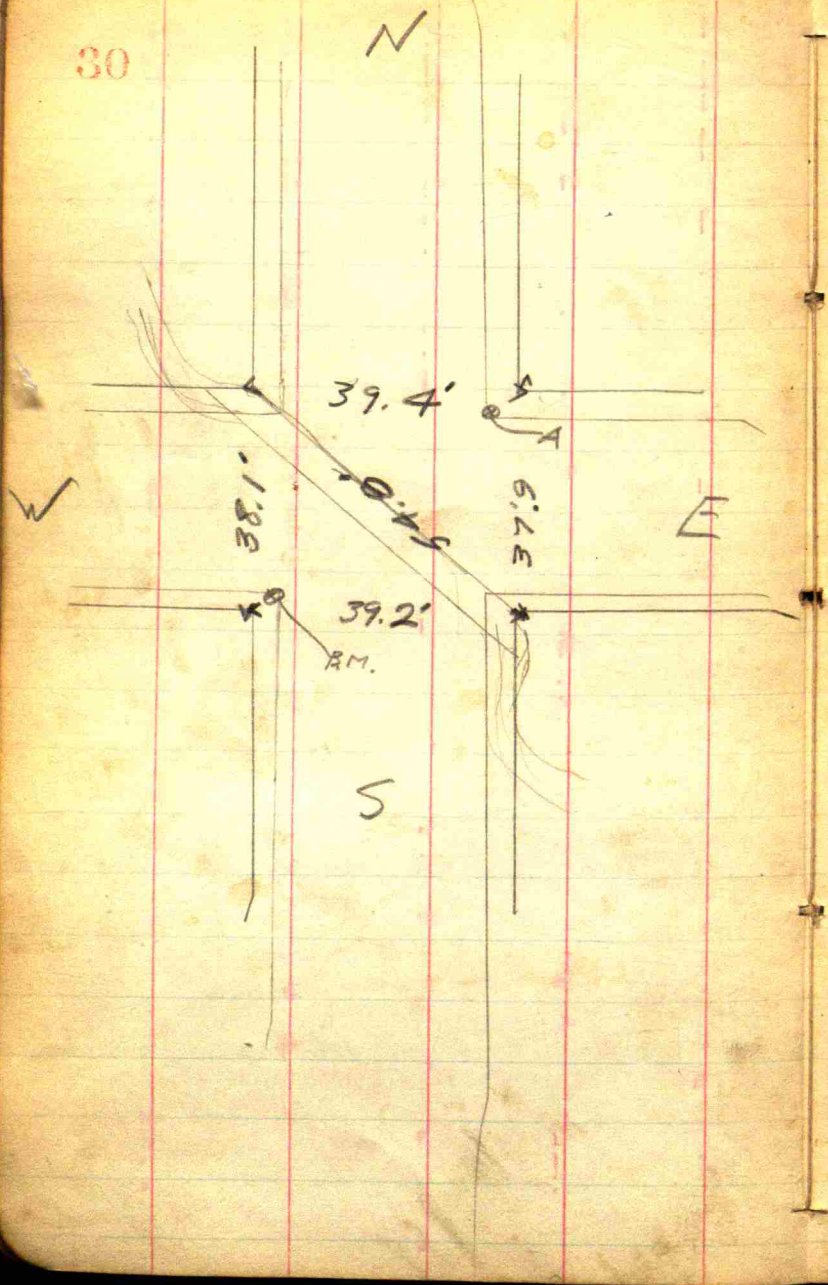
100
93.77
6.23



4.67
5.34
3.77
99.11

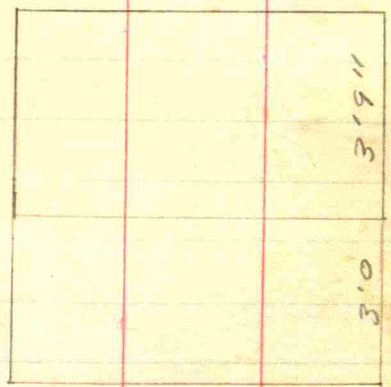
Kendall Bridge - Rewood &c

App.

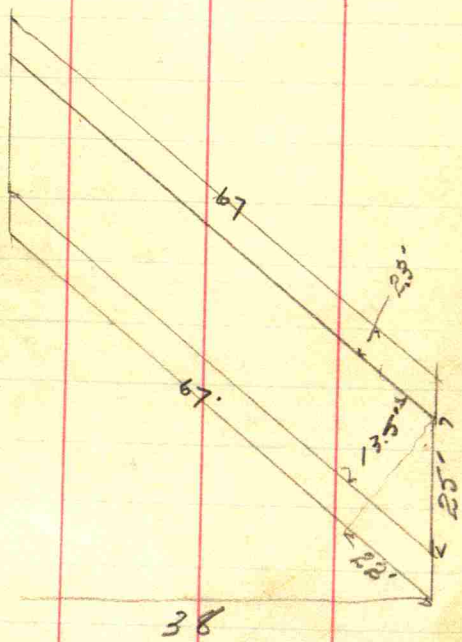

N
W
E
S
39.4'
A
38.1'
0.4'
37.9'
39.2'
AM.

Stg	+s	-s	H	Rod.	
B.M			105.14	5.14	100.00
0				6.55	98.59
1				5.95	99.19
2				5.35	99.79
W.L.	SE end			9.60	95.54
3.	N. Abut			4.65	100.49
W.L	N. W end			8.10	97.04
4				4.30	100.84
5				3.60	101.54
6.				2.00	103.14
A.	On S.W. cor N. E walk			5.00	100.14

On N.E cor S.W. Walk.



BRIDGE ON C.A. WHITE ROAD



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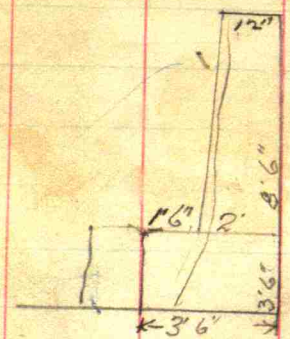
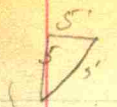
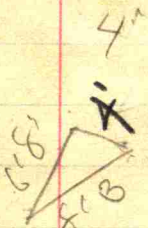
Mahoney Bridge





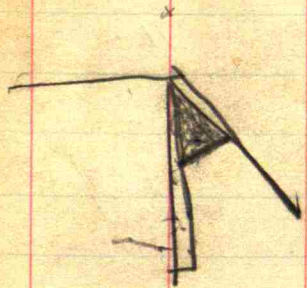
4.81 & 4.81

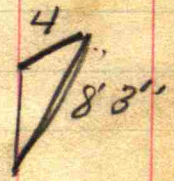
4.81
6.23
11.04 yds



6.23 yds

1.29 high





Hufford Arch

0			0.85
1			3.05
B.M.			4.24
2			4.95
3			7.67
4			11.31
0	2.00	11.77	
5			6.10
5+20' Edi Water W.L.			8.55
6			10.40
6+30 N. Edge Water			8.40
7			5.57
8			4.10
9			4.35
10			4.10
11			2.10
12			0.70

B.M. N end of brace to N Post Gate at Clint Owen

S abut

Cook Bridge

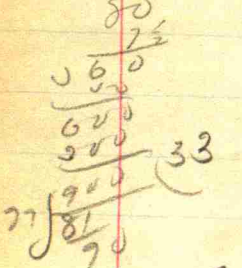
0	4.50	
1	5.10	
2	7.60	W. a but
WL	8.90	
3	5.80	
4	4.90	
BM	4.37	

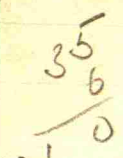
27 Span
18 road
W to E

B.M. Large stone in road at turn
E. of stream

Pinhook Retaining Wall.

80' long
4'6" above waterline
3' below





Pinhook No 2

BM	3.11
0	5.15
1	5.20
2	5.00
NL	8.70
3	5.30
4	5.40

N. to S
8' Span
18' P

BM S.E. cor of parapet
N. wall con. bridg N

N. abut & on old bridge

Cooper Arch 36' Span

BM	4.33
0	4.65
1	8.8
Sp. line	12.70
2 W abut.	9.70
3	3.90

Run E to W

BM top short post near sycamore on S. side road

HARPER HAYWORTH ARCH

BM	3.62
0	2.40
1	4.25
2	7.00
Spring	9.25
3 M about	7.20
4	4.40
5	2.55

40' Span
18 Roadway
Run E to W

BM "X" on large stone W. of stream
Foot log base

Merritt. N. of Avon

B.M. on notch on root Maple N. of road & E of stream & being on bottom Wire of fence

Freight U.S. Bridge

B.M.	100.18	0.18	
0		4.90	95.28
1		4.65	95.53
2 E. abut & on old bridge		4.55	95.63
W.L.		9.00	91.18
3		4.80	95.38
4		5.15	95.03

Run E. & W.
Water way 12'
Roadway 18'

On National road 4 km
SW + SE 14-14-2W

app. 600

On fence post S.E. of bridge

Bill Harris

B M		6.60
0		0.00
1		2.5" above end rod
2		0.00
3		4.00
4	E. abut. sands bridge	4.90
~~4~~ L		11.00
5		6.30
6		6.20
7		5.30

24' 8 fall

Drain May 18

2 Nails on Sycamore S W of bridge

Ramsey Bridge

	+	−		
0				2.50
1				4.00
2				5.30
3 to to no distant of cen				7.35
4				10.60
0	+08	12.46		
5				1.65
6				3.95
7 N. abut				6.00
W L				7.75
8				6.35
9				6.25
10				6.35
11				6.20
12				6.50
13				6.55
14				6.55
BM				0.83

10' Span

22' Roadway

10° Skew Right wheel form

N.E. wing right angles to road

S.E. par. with road

others splayed.

Arr. W. to E.

Top large post N. side road

John Bundy Arch

N. to S. & E.

B.M		3.28
0		1.90
1		3.30
1+30'	W. Abut	4.30
2	In stream	9.05
Sp. line		10.30
3	E. abutment	5.10
4		6.10
5		3.75

70' Span
16' Roadway
15' Wings

B.M "X" on Willow E. of stream & S. side of road.

MEDSKER BRIDGE

Floor - New - White Oak
3" X 14' x 94' 9"
7 lines 2"x4" Nailing strips
to be bolted to each I

$\frac{11'7}{94}$ 7

2 Coates White Paint

# # # # #

PATTERSON BRIDGE
Floor - New - White Oak
3" x 14' x 111' 7" — 16' of the
floor at each end to be 15' long,
14 New Joists or 7 at each end
3" x 12" x 17' long.
2 Coats White Paint
Including foundation Pillars
& brace rods.

$\frac{11'6}{82}$ 7
79' 7"

Hornaday Bridge
16 Joists - 8 at each end
3" x 12" x 16' long.
40 Joists 3" x 12" x 18' long.

Floor Dimensions
14' x 115' 8"
Best pieces of the flooring
now in the Patterson, Medsker
& also this Bridge to be
used in reflooring this
Bridge.

2 Coats White Paint
Including foundation Pillars

 S. Jefferson

STA	+	−	HI	State		W. Side	E. Side	State West Side
0			102.28	2.28	100.00			3.01
1				6.10		6.55	6.06	
⊙	1.64	6.38	97.54	7				
2				5.32		6.21	5.59	
⊙	.90	6.72	91.72					
3				3.81		4.68	3.92	
4				8.09		8.85	8.12	
4+93½				9.34		10.44	9.76	

S Jeff

Sta	+	−	π	East		West			
0			101.15	1.15	100.00	1.21	99.94	98.15	
0 On West						1	1.58	99.57	2
1				2.72	98.43	98.15	3.12	98.03	98.15
2				4.09	97.06	96.36	4.12	97.03	96.36
3				5.46	95.69	94.54	6.53	94.52	94.54
4				8.60	92.55	92.72	8.34	92.81	92.72
5				10.48	90.75	90.40	11.35	89.80	90.40
5+15				10.40	90.75	90.63	11.90	89.25	5
5+53							11.90	89.25	89.90
	10.55	Cen	90.65						

SEARS BRIDGE

	Fill	Grade	
0	108.15	108.15	X
1	107.30	107.08	
2	103.05	106.00	X
3	102.10	107.00	
Cen 3+90			
3+97	98.00	108.00	X
4	99.60	107.95	
B.M.	100.00		
5	106.00	107.65	
6	107.25	107.25	X

30' Span

18' Roadway

9' Rise

Rise N + S W. Ends 36-16-2W.

High Pt Large Rock Rotline in stream

13'

156
35
780
+ 98
5760

Friday 12/26 - 19. tra

Harvey - ~~State Road~~ transit -
John Harvey, Clark + Fleece.

Gossett - D. Wade, Haynes + (level)
Patterson. Dugan Drain.

King - Downard Road (levels)
+ McClain.

~~McClain~~:

Saturday - office -
Harvey State Road - ~~level~~
~~John Harvey, Clark + Fleece.~~
Gossett - Dugan Drain - level
D. Wade - Haynes + Patterson.

King - Downard Road ^ (levels)
J. Harvey, Clark + Fleece.

McClain - office - drafting
standards.

12/29-19.

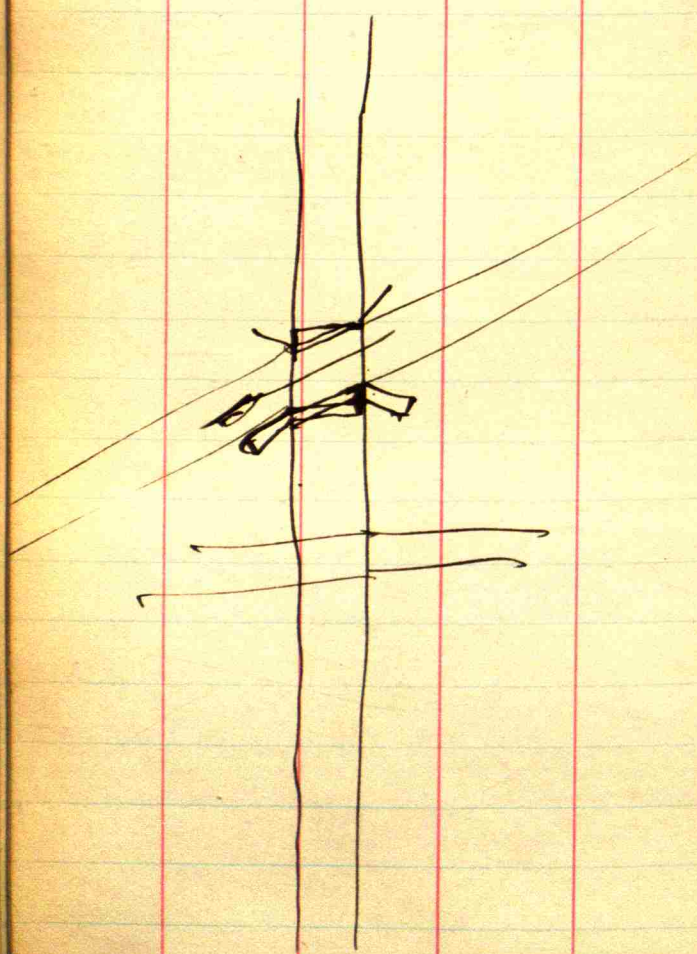
Monday

Harvey & Thiery —
start Road levels
Use Clark.

Gossett — Ditzenberger Drain
& Fleece.
D. Wade, Haynes & Patterson.

King — office
Downard Road
or Bussell.

Mc Clain Ditto.



5t01

13.5½

15.26) 100.0

100.26
11.05
89.21

7.35
4.60
2.75

100.26
10.47
89.79

95.50
3.25
98.75

105.26
98.75
6.51

100.26

2.10
1.52
.58

100
87.69
12.31

11.05
10.47
.58

100
89.21 E St
89.79 W "
87.69
2.10 = W [illegible]

89.21
87.69
1.52

BM 1.08 - 100.

E. stake 0.98 - 100.10
92.90
7.20

W. 2.45

98.63
92.90
5.73

101.08
.98
100.10

101.08
2.45
98.63

4.82 = Stake

5.00 On bridge

92 90 2.35

6.15
2.30
3.80

99.61
5.00
104.61 = H I

4.82
99.79 = Elev Level Stake

95.06
4.73 = W Line

9.15
4.95
4.20

101.30
100.00
1.30

101.30
97.15
4.15

6.15
4.95
1.20

100
97.15
2.85 Below stake to W L

3.80
6.65 " Boat

6.15
9.15