IN THE COURT OF QUARTER SESS.
OF CAMBRIA COUNTY, PENNA.
NO. 2 December Term 1921.

In re Bridge over Solomon Run, where Messenger Street crosses same in Dale Borough, Cambria County, Penna.

MAR 17 1922 CERTIFIED

REPORT OF VIEWERS.

Dr. ... To ...

Acct. ... No. ...

Items ... ...

Filed March 6, 1922.

MAR 17 1922 CERTIFIED

MAHLON J. BAUMGARDNER
ATTORNEY AT LAW
JOHNSTOWN, PENNA.
SWANK BLDG.

And 9 June 1922 the within report of Viewers is approved by the Grand Jury, the cost of said Bridge to be borne by the County of Cambria

W.R. Shannon

June 8th 1922

A Thomas

By the Court

E

In re Bridge over Solomon Run in the Borough of Dale, County of Cambria, Penna.	In the Court Of Quarter Sessions of Cambria County, Penna. No. 2 December Term 1921.

REPORT OF VIEWERS.

To The Honorable, the Judges of the said Court.

We, the undersigned Viewers, appointed by the annexed Order of the above Court, to view the place proposed for the Bridge where Messenger Street crosses Solomon Run in the Borough of Dale, County of Cambria and State of Pennsylvania, respectfully report:

That we were duly sworn or affirmed as members of the permanent Board of Viewers of Cambria County, as shown by the records of said Court, gave due public notice of the time and place of meeting of said Viewers by publication in the Johnstown Daily Tribune and by handbills posted on the premises and by notice served upon the Commissioners of Cambria County and upon D. P. Weimer, Esq., Solicitor for the Borough of Dale, at least ten days prior to the time of the making of the said view, evidence of which is shown by copy of said notice hereto attached; that we met upon the premises according to the notice given on Saturday, February 11th., A.D. 1922, at 9 o'clock A. M. and proceeded with the duties of our appointment.

We viewed the site and locality of the Bridge proposed to be built, making a personal inspection of the grounds at the points designated in the petition and order, that after viewing the premises we adjourned to meet in the Viewersmrooms, Wolfe Building, in the City of Johnstown, County and State aforesaid, on Saturday, February 25th., 1922 at 9 o'clock A. M. for the purpose of taking testimony with reference to damages, as it

affects the abutting property owners.

Pursuant to adjournment had we met in the Viewers Rooms, Wolfe, Bldg., in said City of Johnstown, on Saturday, February 25th. 1922, at 9 o'clock A. M. for the purpose of hearing evidence and the taking of testimony. All interested parties having had notice thereof.

After viewing said premsies and hearing all the evidence and testimony and taking into consideration all matters before us;-

We are of the opinion and agree that a bridge at the point where Messenger Street crosses Solomon Run, in the said Borough of Dale, is necessary.

We are also of the opinion and agree that the expense of constructing the said Bridge is more than the inhabitants of said Dale Borough should bear.

We therefore lay out and return for public use a Bridge as follows: Over Solomon Run in line of channel of said Solomon Run, where Messenger Street crosses same, the width of said Messenger Street as fixed by Borough Ordinance being Forty (40) feet from property line to property line, we recommend the roadway width of said Bridge to be twenty-two (22) feet with eight (8) feet on either side for pedestrians, and one (1) foot on either side for parapet wall.

We further report that we find no persons subject to damages and that no person claimed any damages.

Witness our hands this 4th., day of March A. D. 1922.

Malcolm J. Baumgardner
Lewis R. Owen
Philip E. Canfield
VIEWERS.

In re Bridge over Solomon Run in the Borough of Dale County of Cambria, Penna.	In the Court of Quarter Sessions of Cambria County, Penna. No. 2 December Term 1921.

TO MAHLON J. BAUMGARDNER, LEWIS OWEN, PHILIP E. CAULFIELD. Dr.

To MAHLON J. BAUMGARDNER, Dr.

Data and preparing Notices of view	$7.50	
Stenographer and stationery	2.00	
Posting Notices of view	7.50	
Mileage	.10	
Advertising Notices of view,	2.00	
Making View	7.50	
Mileage	.10	
Taking Testimony at Hearing	7.50	
Data and preparing report	7.50	
Stenographer and stationery	2.50	
Order to View	.90	$45.10

To LEWIS R. OWEN, Dr.,

Making view	7.50	
Mileage	.20	
Survey	22.50	
Carfare	.45	
Drafting	7.50	
Drafting	7.50	
Hearing Testimony	7.50	
Drafting	7.50	
Design and Drafting	7.50	
Drafting	7.50	
3 Prints,	6.00	$81.65

To PHILIP E. CAULFIELD, Dr.

Making View	7.50	
Mileage	.10	
Hearing Testimony	7.50	$15.10
		$141.85

MAR 17 1922 CERTIFIED

APPROVED FOR PAYMENT

COMMISSIONERS

In re Bridge over Solomon Run in the Borough of Dale, County of Cambria, Penna.

In the Court of Quarter Sessions of Cambria County, Pa.

No. 2 December Sess. 1921.

NOTICE TO VIEW.

We, the undersigned Viewers, appointed by the above Court, to view and inquire into the necessity of having a Bridge where Messenger Street crosses Solomon Run in the Borough of Dale, County of Cambria and State of Pennsylvania, will meet on the premises Saturday, February 11, A.D. 1922 at 9 o'clock A. M. for the purpose of performing the duties of our appointment.

MAHLON J. BAUMGARDNER,

PHILIP CAULFIELD,

L. R. OWEN,

Viewers

Jan. 30, 1922.

Now January, 30 1922 I accept service of the within notice ~~to view and inspect for the Commissioners of Cambria County.~~

James W Clune

Chief Clerk

In re Bridge over Solomon Run in the Borough of Dale, County of Cambria, Penna.

In the Court of Quarter Sessions of Cambria County, Pa.

No. 2 December Sess. 1921.

NOTICE TO VIEW.

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MAHLON J. BAUMGARDNER,

PHILIP CAUFFIELD,

L. R. OWEN.

VIEWERS.

Jan. 30, 1922.

Now February 1, 1922, I accept service of the within notice to view and inspect for the Borough of Dale.

D. F. Reames

Solicitor Dale Borough.

Kalbfus

In re Bridge over Solomon Run in the Borough of Dale, County of Cambria, Penna.	In the Court of Quarter Sessions of Cambria County, Pa. No. 2 December Sess. 1921.

NOTICE TO VIEW.

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MAHLON J. BAUMGARDNER,

PHILIP CAULFIELD,

L. R. OWEN.

Jan. 30, 1922.

LEGAL NOTICES

VIEWERS' NOTICE—In re Bridge over Solomon Run, in the Borough of Dale, County of Cambria, Pennsylvania. In the Court of Quarter Sessions of Cambria County, Pa. No. 2 December Session, 1921.

NOTICE TO VIEW.

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MAHLON J. BAUMGARDNER,
PHILIP CAULFIELD,
L. R. OWEN,
Jan. 30, 1922. Viewers.

IN THE COURT OF QUARTER SESSIONS OF CAMBRIA COUNTY, PENNSYLVANIA.

STATE OF PENNSYLVANIA, }
COUNTY OF CAMBRIA, } SS:

At a Court of Quarter Sessions of the Peace of the County of Cambria held at Ebensburg, in the said County, on the 23rd. day of January, A.D. 1922, before the Honorable Judge of the said Court: Upon the petition of divers inhabitants of the Borough of Dale, setting forth that they labor under inconvenience for want of a bridge where Messenger Street crosses Solomon Run, andthat the expense of constructing the same is more than the inhabitants of said Borough shbuld bear.

Your petitioners therefore pray your Honors to appoint proper persons to view the premises, and to make such order on the subject as is required and directed by law in such cases, and theywwill ever pray.

D E C R E E

Now the 22 day of January, 1922, the within petition having been presented and Mahlon J. Baumgardner, Philip Cauffield and L. R. Owen are appointed viewers to view the premises and make return to the Court.

BY THE COURT.
Evans,
J.

Extract from the Record.
Certified this 24th. day
of January, A. D. 1922.

Frank E. Rott
Clerk of Quarter Sessions.

No 2 Dec. Sess. 1921

In the Court of Quarter Sessions of Cambria County, Penna.

Contract and Specifications for Rebuilding of Messenger Street Bridge, Dale Borough Cambria County, Penna.

H. F. Dorr, Engineer.

And now October 9, 1922 the within plans specifications contract and bond are approved.

By the Court

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Filed Oct. 9, 1922.

Walter Jones, Solicitor

Map

CAMBRIA COUNTY

COMMISSIONER'S OFFICE

1922

BRIDGE

CONTRACT AND SPECIFICATIONS

for REBUILDING of

MESSENGER STREET BRIDGE, DALE BOROUGH

CAMBRIA COUNTY, STATE OF PENNSYLVANIA

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H. F. Dorr County Engineer

Ebensburg, Pa.

GENERAL INFORMATION

Sealed proposals, accompanied by certified check in amount of 10% of bid price, will be received by the Commissioners of Cambria County until 12 O'clock noon, September 18th, 1922, at their office in the Court House at Ebensburg, Pennsylvania, for the construction complete of a reinforced concrete bridge, over Solomon Run in Dale Borough, as per drawings and specifications on file in the Commissioners Office, and in the County Engineers, where they can be seen by those interested.

Parties desiring copies of drawings and specifications can secure same by writing to the County Commissioners or to H. F. Dorr County Engineer, Cambria Title and Trust Building, Ebensburg, Pennsylvanie. A charge of $10.00 will be made, which will be refunded when the plans are returned in good order.

Proposals must be made upon blanks furnished by the County. All blank spaces must be filled in and no change in phraseology made.

The Commissioners reserve the right to reject any and all bids.

The words: "PROPOSAL, COUNTY BRIDGE," shall be plainly marked on the outside of all proposals.

By order of the Commissioners of Cambria County.

PROPOSALS

To the Board of County Commissioners.

Ebensburg, Pa.

Gentlemen:-

I hereby certify that I have personally examined the location of the work hereinafter proposed, with reference to the full extent and nature of same, and that I have carefully read and examined the drawings and specifications as well as the form of contract for same.

And having made such examinations, I hereby propose to furnish all materials and appliances, and to performall work required for the complete construction of the Reinforced Concrete Bridge over Solomon Run at Messenger Street in Dale Borough, Cambria County, Pennsylvania, in full accordance with the plans and specifications on file for the sum of Four Thousand Seven Hundred Fifty Dollars ($4750.00) payable upon final acceptance of the work.

I further propose, that in case the dimensions shown on the plans are deviated from the resulting additions and deductions shall be valued as follows:

Excavation, all kinds $4.00 per cu. yd.

1-2-4 concrete, in place $17.00 per cu. yd.

1-3-5 boulder concrete in place $12.60 per cu. yd.

Reinforcing bars, in place 5¢ per pound

Bearing piles $4.50 per lin. ft.

Sheet piles, driven, trimmed and braced 40¢ per sq. ft.

I further propose to have the work finished and ready for acceptance not later than 90 working days from the signing of the contract. I accompany this proposal with certified check in the amount of $475.00 conditioned upon my acceptance of the contract if awarded to me.

Edythe Schenkemeyer, 1922

Bidder Edythe Schenkemeyer

Johnstown, Pa.

Address

SPECIFICATIONS

GENERAL These specifications contemplate the entire construction and erection of a reinforced concrete highway bridge at Messenger Street and Solomon Run in Dale Borough, as specified below in accordance with the contract, drawings, specifications and proposals and such further detail plans as may be furnished from time to time including excavation, concreting, laying of masonry, fabrication and erection of steel, hauling of all materials, removal of surplus or waste material and the disposition of same, and all other work incident to the building of these bridges, leaving the finished structures complete, neat and ready for use.

SCOPE OF WORK Under these specifications the contractor shall build complete the bridges contemplated in the design. He shall, in case the condition of the river bottom so requires, carry the excavation down to a depth satisfactory to the Engineer, or shall prepare such artificial footings as may be designed by the Engineer, all such extra work to be paid for extra as per the attached proposal. In short he shall build the said bridges with all their appertaining parts in a workmanlike manner, completing ready for use, furnishing all meterial, cofferdams, falsework, scaffolding, implements and labor required, and shall leave the finished structures in a neat and finished condition.

EXCAVATION The contractor shall do all excavating necessary for the building of proper foundations, furnish all timber, piling, sheet-piling, bracing and shoring, etc., necessary to locate, maintain in position during construction and complete the new work. Foundations shall be excavated for to such depths as will be necessary to secure a solid bearing, of which the Engineer shall be the judge. All excavated material shall be disposed of as directed by the Engineer. In case of foundations on rock, the rock shall be dressed level or otherwise to receive the footing course, when

satisfactory foundation cannot be obtained at reasonable depth, an artificial footing shall be prepared as directed by the Engineer, In case the Engineer so considers best, sheet piles shall be driven along the neat line of the footings and the thus formed pits drained before any concrete is placed. No extra compensation shall be allowed for such piles unless they are left in place after the structure is complete. In such case they shall be neatly trimmed 12" below mean low water, and shall be well braced with wales and stringers.

FILLS All openings or pits about the foundations shall be filled with material excavated, or similar, and the filling left approximately to the natural form of surface now existing, all to the satisfaction of the Engineer. All fills shall be thoroughly tamped or rolled and shall consist of material approved by the Engineer, and shall be brought to the required grade in manner directed by the Engineer. Wearing surfaces over fills shall be a four inch layer of broken stone, well rolled or otherwise compacted. Gutters shall be placed along the sides of the wings down to the water level.

INSPECTION All work under these specifications shall be inspected by a competent inspector appointed and authorized by the County Commissioners, who shall act in conjunction with the Engineer, both of whom shall see that these specifications are complied with but the presence of such inspector shall in no way release the contractor from any responsibility or obligation. Final inspection and acceptance shall be made by the County Commissioners, and the Board of Viewers, appointed by the Court as provided by law.

TRAFFIC The contractor will not be required to provede a temporary bridge to live load capacity equal to present structure, which he will remove from the premises when the new structure is opened to traffic.

LOCATION The contractor shall accurately locate the structures both as to alignment and levels, from the contract plans, together with bench marks placed by the Engineer.

PRESENT STRUCTURES The present structures shall become the property of the County, and shall be removed by the contractor from the premises prior to acceptance of the work. He shall use the existing I beams in the new construction. And dispose of the remainder under the direction of the Enginerr.

CONCRETE No concrete shall be placed in foundation excavations unless same has been approved by the Engineer. The pits shall be drained of all water prior to depositing concrete, andno timber or other bracing used in building the dams will be permitted to project into the finished work. Concrete for footings shall be of 1-3-5 mixture and may be mixed by hand or machine as considered best; if hand mixed; the sand and cement shall be thoroughly mixed until no streaks occur, then the wetted stone shall be added and the whole mass turned over with sufficient water until every fragrant of stone is thoroughly coated with the cement mortar. It shall be deposited prior to initial set and thoroughly rammed and spaded in place. The cement may be any approved brand and shall be subject to the specifications of the American Society of Testing Materials. Sand used for mortar and concrete shall be clean, coarse and gritty to the touch to be approved by the Engineer.

The broken stone or crushed slag used for concrete shall range in suze from the maximum specified on drawings for the particular work down to one-quarter inch. It shall be absolutely free from dust and any impurities whatsoever. Broken stone shall be wetted immediately before mixing with mortar. Any hard durable quality of stone will be accepted, subject to the Engineer's approval. The Engineer and the Inspector have the authority to modify the proportions shown on the drawings when the size of stone or degree of fineness of sand necessitates establishment of proportions. Boulders known as one man size, washed clean will be permitted in all walls over 2' in thickness. Said boulders to be so placed as to have at best 6 inches of concrete between each one andbetween same and outside faces.

WATER The water shall be fresh and clear, free from refuse and injurious matter.

FORMS All forms shall be rigid and water-proof, from dressed and matched lumber as approved by the Engineer.

SURFACE FINISH All surfaces shall be of a wet rubbed finish, except as noted on the drawing. No hollow or honeycombed surfaces will be permitted. All surfaces must be without cracks, spots, blotches or discolorings, and it is thoroughly understood that the forms are to be so constructed that the finished work shall come out of them in a perfect condition, requiring no further treatment than the above mentioned wet rubbing. All stone must be spaced back from the forms, and all surfaces shall show a uniform and even granular exterior when finished.

NAME PLATES Suitable name plates, in cast bronze, bearing the names of the County Officials, Names or Number of Bridge, and date of erection shall be placed as indicated on the drawings.

SIDEWALK

The sidewalk shall consist of a reinforced concrete slab built monolithic with the curb and roadway slab. Immediately after the sub-base is laid and while it is still soft and green a wearing surface (12) inches thick consisting of one (1) part cement and two (2) parts sand shall be placed. It shall be gloared to a smooth even surface and geven a broomed finish. Transverse grooves three-eights (3/8) inch deep shall be placed in the top directly over each bracket and at two intermediate points. The walks shall slope towards the roadway, as shown on theplan.

CURB

The reinforced concrete curb shall be laid monolithic with the roadway and sidewalk slabs. It shall be true to line and grade and protected against all defacomonts by a galvanized steel bar of the Wainwright, Kahn or other approved type.

Frogs shall be used to support the bar at intervals of about three (3) feet.

REINFORCING

The concrete shall be reinforced as shown on the plan.

Where bars are used they will be of the "Deformed stick" type and must conform to the requirements of the Standard Specifications for Steel Reinforcing Bars, as adopted by the American Society for Testing Materials, July 1, 1920.

All steel must be absolutely clean of paint, dirt or other foreign matter. Old, rusted or pitted bars will not be accepted or allowed in the work. The amount of rust that will accumulate on an unpainted bar in transit or stored in a yard not exceeding three months will not be considered objectionable.

The complete system of reinforcing shall be in place, rigidly supported and all intersections wired. All to the approval of the Engineer before pouring of concrete.

Where it is not possible to use a continuous bar, the splice shall be not less than fifty (50) diameter in length and shall be well wired.

PAVEMENT

The roadway shall be paved with brick, all as herein specified.

DESCRIPTION

The brick pavement shall be Vitrified Block commercially known as "Regular" block.

All block shall be repressed blocks thoroughly annealed, tough durable, non-absorbtive, evenly burned and uniform in color. When broken they shall show a dense stonelike body, free from lime, air pockets, cracks or marked laminations.

SIZE OF BLOCKS

The standard size of blocks shall be 3" to 3-$\frac{1}{8}$" in width, 4" in depth, and 8$\frac{1}{2}$" to 9$\frac{1}{2}$" in length. They shall be uniform in size and shall not vary in width, depth, or length to exceed 1/82 on any single contract

If the edges of the blocks are rounded, the radius shall not exceed 3/16" Only blocks with raised lugs or projections on one side, not less than 1/8" nor more than ¼", shall be used. The two ends of the block shall have either a semi-circular groove with a raduis of not less than 1/8 nor more than ¼", or bulge of at least 1/16". The imprint or name of the block or manufacture if used, shall be made by means of recessed letters.

ABRASION TESTS

The sample blocks selected shall be dried thoroughly for at least three hours at a temperature of 100° before testing. The blocks shall be submitted to the rattler or abrasion, test made in the standard rattler and in accordance with the standard method endorsed and recommended by the American Society for Testing Materials, adopted August 21st, 1915 In this test the blocks shall not percentage of loss, the entire lot from which the test was taken will be required.

ABSORPTION TEST

Blocks to be tested for absorption shall be dried for not less than twelve hours continuously at a temperature of not less than 212°. They shall be weighed then on scales sensitive to five grams and immersed immediately in water for a period of twenty-four hours. Aftersoaking, and before re-weighing, the blocks shall be wiped free from all surplus water, The increase in weight will be calculated as a percentage of dry weight of blocks. Blocks which show an absorption of more than 3-1, 3% will be rejected.

INSPECTION OF BLOCKS

All blocks shall be subject to thorough inspection before and after laying and rolling, and all rejected material shall be removed immediately from the work.

HANDLING OF BLOCKS

The blocks at all times shall be ketp clean, piled neatly and shall be handled carefully, so that the corners and edges will not he chipped or broken, as blocks otherwise acceptable may be rejected on this account.

CEMENT-SAND BED

Upon the foundation, or base course, which has been cleaned of all loose and foreign materials and dampened thoroughly, there shall be spread a cement-sand bed composed of one part Portland cement and three parts sand all of approved quality.

This cushion shall be carefully shaped to a true section of the road way and shall be rolled with a hand roller, if so directed. The cement shand bed shall then be sprinkled lightly with clean water and the blocks placed thereon immediately.

LAYING BLOCK

The blocks shall be laid carefully on edge in parallel straight courses at right angles to the curbing, or as may be directed otherwise The lug side of all blocks shall face in the same drection. Blocks must be placed close together, both ends and sides, and those in adjoining courses shall be laid to break joints by a soace of not less than 3". At every fourth course, theblocks shall be driven lightly with a sledge on a four inch by four inch by three foot timber, and all thick blocks shall be removed. After laying, the end joints of blocks shall be made close promptly and batted in at the curb line, placing fractured ends towards the center of the pavement. No piece less than three inches in length shall be used. Bats or broken blocks shall be used only at curbs or tracks. Blocks shall be placed with the best face up. When any section contains more than 10% of culls, the blocks shall be taken up and the cushion readjusted. Blocks

shall be laid from the curb to curb, or car track to curb. Joints shall be cut square with the top and sides of the blocks. All joints shall be kept clean and open to the bottom until filled as specified. While laying blocks, the pvares shall stand on those already laid. Blocks shall be laid within ¼" of a car rail and when rolled shall meet the rail surface or be slightly below, as may be directed. The rail surface shall conform to the established grade beforethe base course is placed.

EXPANSION JOINTS

Expansion joints shall be placed paralled with and at each of the curb lines and shall be ½" in width, unless directed otherwise. Where the pavement joins car rails, a joint of from ¼" to ½" may be required next to each side of each rail. The joints shall be made by placing together on edge, parallel with each curb or edging two wedge-shaped strips six inches in depth and each strip dressed on both faces. The strips shall be so cut that when placed together on edge, in reverse positions, their total section shall be rectangular and of a thickness equal to the thickness of the required expansion joint. The strip placed next to the curb shall be set with the wide edge up and the one next to the block set in the reversed position. The two strips comprising the joint form shall break joints. These expansions joints froms shall be set on a true grade with all ends tight, pressed into the cushion and the blocks laid lightly against these strips. Soon after the pavement has been grouted and the grout filler has set, the strips shall be removed, the joints cleaned thoroughly and immediately filled with a bituminous filler flush with the top of the blocks.

ROLLING BLOCKS

After the blocks as laid have been inspected and approved for rolling and the surface swept clean, the pavement shall be rolled with a tandem power roller weighing not less than three no more than five tons, in the following manner:- the blocks adjacent to the curbing and other inaccessible areas, shall be tamped with a hard wood tamper to the proper grade. A piece of timber shall be laid upon the blocks to prevent crushing from impact of the tamper. The rolling then shall commence near the curbing at a very low pace and continue back and forth toward the center until the center of the roadway is reached; then passing to the opposite curbing, the rolling shall be repeated in the same manner to the center of the roadway. After the first passage of the roller the pace may be quickned and the rolling continued until each block is embedded firmly in the cushion or bed. The pavement then shall be rolled transversely from curb to curb at an angle of 45 repeating the rolling in the opposite direction at an angle of 45 to the center line of the roadway. Before and after this transverse rolling has taken place, all broken or injured blocks must be brought to the surface by tamping. When a cement-sand bed is used, the rolling shall be complete before the bed has developed initial set before the blocks have been placed and rolled shall be removed and replaced with fresh material. After the final rolling the pavement shall be tested with a ten foot straight edge, laid parallel with the curbing and any depressions excessing ¼" shall be corrected, and if necessary, rolled again.

GROUT JOINT FILLER

After being rolled thoroughly, inspected and approved, the joints between the blocks shall be filled with grout, composed of one part Portland cement and one part approved, clean hard sand containing no vegetable or other daleterious substances and not more than 3% of loam or other foreign materials and graded so that, when dry, it shall pass a ¼" screen, at least 90% of which shall pass a No. 10 sieve. The tensile strength of briquette composed of one part cement and three parts sand, by weight, shall be not less than 70% of that obtained with "Standard Ottawa" sand. Equal portion of cement and sand shall be measured carefully and mixed thoroughly on a clean, dry surface to a uniform color, perferably about four feet eight inches in length, thirty inches in width and fourteen inches in depth, resting on legs of different lengths so that the mixture will flow rapidly to the lower corner of the box, the bottom of the power corner of which shall be about three inches above the pavement surface. One box shall be used for each fourteen feet in width of roadway, and at least

two boxes shall be used in all cases. To the dry mixture shall be added clean, fresh water in a quantity which is necessary to give the proper consistency. From the time the water is added until the last of the filler is removed from the box and floated into the joints of the pavement the mixture must be kept in constant motion.

POURING GROUT

Before grout is applied, the blocks shall be wetted by being sprayed lightly with clean water. The grout shall be removed from the box with scoop shovels and applied to the blocks in front of the sweepers who shall sweep it rapidly lengthwise of center, until the joints are filled to within not more than one inch of the top of the blocks. After the grout has settled into the joings and before the initial set develops, the unfilled portion of every joint shall be filled with a thicker grout, and if necessary, refilled until the joints remain full to the top. After this application has had time to settle and before the initial set takes place, the pavement shall be finished to a smooth surface with a squeegee or wooden scraper having a rubber edge, which shall be worked over the blocks parallel with the courses. Grout may bemixed and applied with approved mechanical appliances. The contractor shall provide them metal strips, 1/16" by 6" by 3" long and insert them in the block joint across the street or road, when closing up a stretch of grouting at the end of all work intervals, so that the grouting will end in a vertical joint. Theses strips must be taken out when the grout becomes stiff and before the initial set. Not more than three hundred feet of pavement shall be laid before grouting begins and the grouting shall follow the paving as closely as possible. Where the cement sand bed is used. The grouting must be completed to within at least twenty feet of the end of the blocks laid before work is stopped.

PROTECTION

After the surface has been inspected thoroughly and approved and sufficient time for setting has taken place so that the covering material will not absorb any moisture from the grout mixture, the surface shall be covered with one-half inch or more of approved, clean sand or other acceptable material to preventtoooorapid drying of the filler, which shall be sprinkled three times each day for four days when the air temperature reaches 75° or above. No traffic shall be permitted on the pavement for a period of at least ten days after the grouting, or longer as may be directed. Before opening the road to traffic the covering shall be removed from the finished pavement in a staisfactory manner.

GUARANTEE OF PAVEMENT

The Contractor will be required to guarantee the pavement free from defects in workmanship and material for a period of one year from date of the completion of the contract and acceptance of the work, correcting during the time, at his own expense, immediately on direction of the Engineer, any defects which may occur.

CLEANING

After completion of the structures, the contractor shall remove all rubbish, etc., leaving the streams and adjacent property clean and free from all obstructions.

LIABILITIES OF CONTRACTORS

The Contractor shall furnish a corporate surety bond on the full amount of the contract price which will be held by the County one year as a guaranty against any defects in the structures within time specified. If the Commissioners so decide, the contractor shall load any of these bridges as specified by the Engineer, to demonstrate their carrying capacity. In case defects develop in any structure within one year from completion, the contractor shall repair same as directed by the Engineer or build a new structure as per contract.

ARTICLE OF AGREEMENT

This Agreement, made this .....25th.....day of September..... A. D.,1922, Between the County of Cambria by its Commissioner, T. Stanton Davis, Dwight Roberts and H. B. Heffley, known as the County party of the first part, and Charles Schenkemeyer & Sons.....

.....of the City of Johnstown, Pa.....

.....

(their) heirs, executors, administrators, successors, or assigns, known as the Contractor, party of the second part.

Witnesseth:- That for and in consideration of the payments the agreements mentioned in theproposal hereto attached, to be made and performed by the County, and according to the terms expressed in the bonds referring to these presents the Contractor agrees with the County, at his own proper cost and expense to do the proposed work, and to furnish all materials and all labor necessary for said work, in accordance with the plans and specifications appertaining to said work, and in full compliance with this agreement and the orders of the Engineer under it.

It is agreed that the plans and specifications appertaining hereto, each of which have been signed by the respective parties of this agreement, as well as the bonds and proposals hereto attached are all essential documents of this agreement and form part hereof.

The Contractor further covenants and agrees that all and every of the said materials shall be furnished and delivered and all and every of the said labor shall be done and performed in every respect to the satisfaction and approval of the Engineer and the County Commissioners, on or before the expiration of Ninety days from the date of this contract.

And it is expressly understood and agreed by and between the parties of this agreement that, if the Contractor shall become insolvent, or commit any act of bankruptcy or insolvency, or allow any final judgment to stand against him unsatisfied for a period of forty-eight hours, or shall make any assignment for the benefit of creditors, or if, in the opinion of the Engineer, The Contractor shall be prosecuting the said work with an insufficient supply of materials, for the prompt completion of said work or shall neglect or refuse to supply acceptable material or work, or shall neglect or refuse to remove such materials or to perform a new such labor as shall be rejected by the Engineer as defective as unsuitable, then in any such case it shall be lawful for the said Engineer, and he is hereby authorized and empowered to employ such other Builders or use such methods as in his opinion shall be required for the proper completion of said wofk at the cost and expense of said Contractor. In any such case all payments to the Contractor under this contract shall cease and all moneys otherwise due, or to become due, shall be retained by the County and so much thereof as required shall be applied to payment of the costs and expenditures incurred in making good the default of the Contractor, and the balance, if any, shall be paid to the Contractor in accordance with the terms hereof.

In case any question of dispute arises between the parties hereto in relation to the plans, drawings, descriptions, specifications and general provisions, or to the terms of this contract respecting the quality, quantity or value of the work or labor done, or the materials furnished, or to be done or furnished, or any of the terms, stipulations, covenants and agreements contained herein, or respecting any claim for extra work, or respecting any matter pertaining to this contract, or any part of same, or any dispute arising thereof, said questions shall be referred to the Engineer, whose decision thereon, when approved by the County Commissioners, and the County Solicitor shall be final, binding and conclusive upon all parties without exception or appeal; and all right, or rights of any action at law, or in equity under and by virtue of this contract, and all matters connected with it and relative to the same, are hereby expressly waived by the contractor.

It is also understood and agreed that if the Contractor should fail to make settlement with laborers or material-men promptly when any payments or wages are due them, the County shall have the right to make payment therefore of the moneys so due, and any amounts so paid shall be deemed and considered as payment to the Contractor on this contract, and the County shall not again be liable therefore.

No extra work other than that particularly designated in the Specifications, nor any deviation from the plans shall be done or permitted by the Contractor without the written consent thereto of the Engineer, first had and obtained, and any extras or alterations otherwise effected shall be wholly at the risk and expense of the Contractor.

The Contractor further agrees to save harmless and to protect tje County from all suits or actions for infringements of patents whether granted or applied for, on any device or method used in connection with the structure referred to nd shall, if required show evidence of settlement with patentee, before final payment is made by the County.

And it is further expressly understood and agreed that during the progress of said work the contractor shall properly safeguard against any injury or damage to the public, and shall alone be responsible for any such damage or injury resulting from said work to any person or persons or anything connected therewith.

Wherever throughout this contract the word Engineer is used, it is mutually understood that H. F. Dorr of Ebensburg Pa., is thereby intended.

This contract shall not go into effect until it and the bond accompanied shall be approved by the proper Court of Cambria County, whereupon it shall at once become operative.

In witness whereof the parties hereto have set their hands and seals on the date herein mentioned.

SEAL

Chairman Board

Clerk

ATTEST:

County Clerk

County Commissioners

SIGNATURES

Chas. Schenkenberger & Bro. Seal
Contractor

By Louis Schenkenberger

Witness:

The foregoing plans specifications and contract approved.
H. F. Dorn
County Eng.

CONTRACTOR'S BOND

KNOW ALL MEN BY THESE PRESENTS, That we Chas Schenkenmeyer & Sons, Principal, and _____, Surety, _____ are held and firmly bound unto the County of Cambria of the State of Pennsylvania, in the sum of Four thousand seven hundred fifty ($4750.00) Dollars lawful money of the United States of America, for which payment, well and truly to be made, we do bind ourselves and each of us, our and each of our heirs executors administrators successors and assigns, jointly and severally by these presents.

Whereas, the said Principal did on this _____ day of _____ 1922, enter into a contract with County of Cambria of the State of Pennsylvania, for constructing a reinforced concrete bridge across Solomon Run on Messenger St. in the Borough of Dale, Cambria County Pa. for the sum of Four thousand seven hundred fifty ($4750.00) _____ Dollars, as shown by said contract.

NOW, THEREFORE, THE CONDITION OF THE OBLIGATION IS SUCH that if the above bounden Chas. Schenkenmeyer & Sons Principal, shall well truly complete, according to the contract, plans and specifications, the work so contracted for and shall save the County harmless from any expense or damage incurred through the failure to complete the work as so agreed to and shall save the County Harmless from all claims of third persons arising from the construction of Steel-Concrete Bridge, and shall well and truly pay to any person co-partnership, association of corporation furnishing material or performing labor in or about the construction of Reinforced Concrete Bridge at the instance of the Contractor or his surety such sum as may be due him, them or any of them for such material or labor or both, for which the Contractor liable, then this abligation shall be void, otherwise it shall remain in full force and effect.

PROVIDED, HOWEVER, that it is expressly understood and agreed that any persons, co-partnership, association or corporation furnishing material or performing labor in or about the construction of the Reinforced Concrete Bridge, at the instance of the contractor or the surety, pursuant to said contract, may maintain an action to recover the amount due therefore, against either the principal or surety in this bond, as though such person co-partnership, association or corporation were named herein.

IN WITNESS WHEREOF, the said Chas. Schenkenmeyer & Sons, principal, and the _____ surety, have duly executed this bond under seal and duly delivered the same this _____ day of Sept 22 1922., 1922.

ATTEST: Mary Kirsch

CONTRACTOR: Chas Schenkenmeyer Sons

ATTEST: S. M. Kirsch

SURETY: By Earle M. Grove
Earle M. Grove Attorney in fact

NOW Oct 6th 19 22 the above bond is approved

The form of contract and bond approved.
Earle Jones
Solicitor

Commissioners of Cambria Co.

In the Court of Quarter Sessions of Cambria County Pennsylvania

now _____ 19____ the above bond is approved

BY THE COURT

_____
President Judge

No. 2 December Sessions 1921.

IN THE COURT OF QUARTER SESSIONS OF CAMBRIA COUNTY, PENN'A.

In re appointment of Inspectors to inspect bridge in Dale Borough, over Solomon Run on Messenger Street.

REPORT OF VIEWERS AND INSPECTORS

Filed 8 Janry 1923.

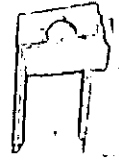
12 February 1923 Approved

By the Court

E.







IN Re Bridge over Solomon Run on Messenger Street in Dale Borough, Cambria County, Penna.

In the Court Of Quarter Sessions of Cambria County, Penna.
No. 2 December Sess. 1921.

REPORT OF VIEWERS TO INSPECT BRIDGE.

To the Honorable, the Judges of said Court.

We, the undersigned Viewers appointed by the annexed order of the above Court to view and inspect the above premises respectfully report:

That we were duly sworn or affirmed as members of the permanent board of viewers of Cambria County, as shown by the records of Cambria County, that due public notice of the time and place of meeting of said Viewers was given by publication in the Johnstown Daily Tribune and by hand bills posted on the premises, and by notices served upon the Chief Clerk to the Board of County Commissioners, by a similar notice to the Solicitor of the Borough of Dale and on the Contractor Charles A. Schenkemeyer and Sons at least ten days prior to the time of making said view and inspection, evidence of which is shown by the copies of said notices hereto attached; that we meet upon the premises according to the notice given on Friday December 22nd., A. D. 1922 at 9 o'clock A. M., and proceeded with the duties of our appointment. That we again meet on Saturday January 6th., A. D. 1923 at 9 o'clock A. M. and made a careful and thorough investigation and examination of the Plans and Specifications for the construction of the said Bridge, of the Contract executed between the Contractor and the County Commissioners of Cambria County, estimates of same, permit of the water

Supply Commission of the Commonwealth of Pennsylvania to the Commissioners of Cambria County for the construction of the Bridge over Solomon Runnat Messenger Street and all other data and documents pertaining to the construction of the aforesaid bridge.

We find that the bridge is erected in a safe and substantial manner and that all materials were used and furnished in accordance with the Plans and Specifications. We further find that the bridge as constructed on the ground does not conform to the line as shown on the Plans and Specifications in that the bridge as constructed shows a deflection or angle in each abuttment, while the Plans and Specifications show a straight line for each abuttment to conform with the extension of the straight line of the old bridge abuttments on the ground which were built in and used as a part of abuttments of the new bridge. We further find that the Plans show the upstream end of the left abuttment departing from the stream on an angle while the bridge as constructed has the wing built at right angles to the stream and abuttments. This departure from the Plans and Specifications in our opinion does not detract from the quality of the bridge and in other respects find that the bridge is erected and completed according to the Plans and Specifications and that the work is entirely finished and that the bridge is entirely completed in a satisfactory and acceptable manner.

We therefore recommend that the same be accepted by the County of Cambria , Penna.

Witness our hands and seals this 6th. day of January A. D. 1923.

Philip E Caulfield

S E Dickey

Mahlon J Baumgardner

Viewers.

In Re Bridge over Solomon Run on Messenger Street in Dale Borough, Cambria County, Penna.	In the Court of Quarter Sessions of Cambria County, Penna. No. 2 December Sess. 1921.

To MAHLON J. BAUMGARDNER; S. E. DICKEY and PHILIP CAULFIELD, Dr.

To Mahlon J. Baumgardner, Dr.

Data and preparing Notices of view & Inspection	$7.50
Stenggrapher and Stationery	2.00
Advertising Notices of View	3.50
Posting and Serving Notices of View	7.50
Mileage	.10
Making view and Inspection	7.50
Mileage	.10
At Ebg collecting data, with Co. Cmrs, Eng. Dorr	7.50
Examining Plans & Spec. contract, estimates, etc.	7.50
Data & Preparing Report	7.50
Stenographer and Stationery	2.00
Telephone to Ebg	.29
Order to View and Inspect, Clerk Robb	.90
	$53.89

JAN 10 1923 CERTIFIED

To S. E. Dickey, Dr.

Making view and inspection	$7.50
Mileage	.20
Examining Plans & Spec, contract, estimates, etc.	7.50
	$15.20

JAN 10 1923 CERTIFIED

To. Philip E. Caulfield, Dr.

Making view and inspection	$7.50
Mileage	10
Examining Plans & Spec, contract, estimates, etc	7.50
	15.20

JAN 10 1923 CERTIFIED

In re Appointment of Inspectors to Inspect Bridge over Solomon Run on Messenger Street in Dale Borough, Cambria County, Pa.	In Court of Quarter Sessions of Cambria County, Pa. No. 2 Dec. Sess. 1921.

NOTICE TO INSPECT

We, the undersigned Viewers, appointed by the above Court to view and Inspect the above mentioned Bridge over Solomon Run on Messenger Street in the Boro of Dale, Cambria County, Pa., will meet on the Bridge December 22nd, A.D. 1922 at 9 o'clock A. M. for the purpose of performing the duties of our appointment.

PHILIP CAULFIELD,

S. E. DICKEY,

MAHLON J. BAUMGARDNER,

December 11, 1922. Viewers.

Now, December 11, 1922 I accept service of the within Notice to Inspect as Chief Clerk to the Commissioners of Cambria County, Pa.

Jas. M Elmes

Clerk to Commissioners.

In re Appointment of Inspectors to Inspect Bridge over Solomon Run on Messenger Street in Dale Boro, Cambria County, Pa.	In Court of Quarter Sessions of Cambria County, Pa. No. 2 Dec. Sess. 1921.

NOTICE TO INSPECT

We, the undersigned Viewers, appointed by the above Court to view and inspect the above mentioned bridge over Solomon Run on Messenger Street in the Boro of Dale, Cambria County, Pa., will meet on the Bridge December 22nd, A. D. 1922 at 9 o'clock A. M. for the purpose of performing the duties of our appointment.

PHILIP CAULFIELD,

S. E. DICKEY,

MAHLON J. BAUMGARDNER,

November 11, 1922. Viewers.

Now December 12 1922, I accept service of the within Notice to Inspect as Solicitor for the Boro of Dale.

D. F. Meyers

In re Appointment of Inspectors to Inspect Bridge over Solomon Run on Messenger Street in Dale Borough, Cambria County, Pa.

In the Court of Quarter Sessions of Cambria County, Penna.

No 2. December Sess. 1921.

NOTICE TO INSPECT.

We, the undersigned Viewers, appointed by the above Court to view and Inspect the above mentioned Bridge over Solomon Run on Messenger Street in the Boro of Dale, Cambria County, Pa., will meet on the Bridge December 22nd., A. D. 1922 at 9 O'clock A. M. for the purpose of performing the duties of our appointment.

PHILIP CAULFIELD,

S. E. DICKEY,

MAHLON J. BAUMGARDNER,

December 13, 1922. Viewers.

Now December 13th. 1922 I hereby accept service of the within Notice to Inspect for Charles A. Schenkemeyer and Sons, Contractors and agree to have all Plans and Specifications relative to the construction of the above Bridge at the Bridge, on the day of Inspection

CHARLES A. SCHENKEMEYER & SONS,

By Louis Schenkemeyer

In re appointment of Inspectors to Inspect Bridge over Solomon Run on Messenger Street in Dale Borough, Cambria County, Pa.	In Court of Quarter Sessions of Cambria County, Pa. No. 2 Dec. Sess. 1921.

NOTICE TO INSPECT.

We, the undersigned Viewers, appointed by the above Court to view and inspect the above mentioned bridge over Solomon Run on Messenger Street in the Boro of Dale, Cambria County, Pa., will meet on the bridge December 22nd, A. D. 1922 at 9 o'clock A. M. for the purpose of performing the duties of our appointment.

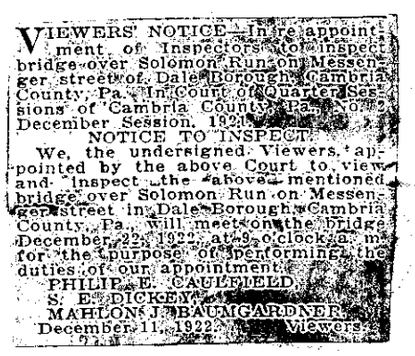
PHILIP CAULFIELD,

S. E. DICKEY,

MAHLON J. BAUMGARDNER,

Viewers.

November 11, 1922.



VIEWERS' NOTICE—In re appointment of Inspectors to inspect bridge over Solomon Run on Messenger street of Dale Borough, Cambria County, Pa. In Court of Quarter Sessions of Cambria County, Pa., No. 2 December Session, 1922.

NOTICE TO INSPECT.

We, the undersigned Viewers, appointed by the above Court to view and inspect the above mentioned bridge over Solomon Run on Messenger street in Dale Borough, Cambria County, Pa., will meet on the bridge December 22, 1922, at 9 o'clock a. m. for the purpose of performing the duties of our appointment.

PHILIP E. CAULFIELD,
S. E. DICKEY,
MAHLON J. BAUMGARDNER,
December 11, 1922. Viewers.

IN THE COURT OF QUARTER SESSIONS OF CAMBRIA COUNTY, PENNSYLVANIA.

- No. 2 December Sessions, 1921 -

TO THE HONORABLE JUDGES OF THE COURT OF QUARTER SESSIONS OF CAMBRIA COUNTY, PENNSYLVANIA.

The petition of the Commissioners of Cambria County, reppectfully represents:

That it having appeared to the Court, to the Grand Jury and the Commissioners of the said County, that a bridge over Solomon Run on Messenger Street in Dale Borough, Cambria County, Pennsylvania, was necessary, and that it would be too expensive for the said Borough to erect said bridge; and the same having been entered of record, your Petitioners procured an estimate to be made as nearly as might be, of the expense of the same, and did proceed to have such bridge erected by entering into a contract with Charles Shenkemeyer & Sons of Johnstown, Pa., for the building of said Bridge for the sum of FOUR THOUSAND SEVEN HUNDRED FIFTY($4750.00); and that the said Bridge is now completed agreeably to the said contract.

Your petitioners, therefore, pray the Court to appoint Inspectors to inspect said Bridge and the workmanship thereof, agreeably to the Act of Assembly, and the supplements and amendments thereto, and to make report to your Honorable Court.

D E C R E E

And now, Dec. 4, 1922, the within Petition read and considered and Philip Cauffield, M. J.Baumgardner and S.E. Dickey appointed Inspectors on the within mentioned Bridge, and to make report thereof to the Court.

SAMUEL LEMMON REED,
P. J. O. C. S. P.

Extract from the Record.
Certified this 5th. day of December, A. D. 1922.

Frank C Polk
Clerk Q. S.

No. 2 December Sessions 1922

In the Court of Quarter Sessions of Cambria County

Petition for the Appointment of Viewers

Filed Jan. 23, 1923

D. P. WEIMER,
ATTORNEY AT LAW,
JOHNSTOWN, PA.

15 Feet Lands

IN THE COURT OF QUARTER SESSIONS OF THE PEACE

OF THE COUNTY OF CAMBRIA

To the Honorable, the Judges of said Court.

The petition of the undersigned residents of the Borough of Dale in said County respectfully showeth:-

That a bridge is much needed in said Borough where Messenger Street crosses Solomon Run, and that the expense of constructing the same is more than the inhabitants of said Borough should bear.

Your petitioners therefore pray your Honors to appoint proper persons to view the premises, and to make such order on the subject as is required and directed by law in such cases, and they will ever pray.

W. R. Lohr
Geo. W. Colbert
J. W. Wonder
Chas. D. Hughes
Frank Shaffer
J. E. Shaffer
Chas. H. Berkebile
Hiram Custer
John W. Miller
Geo. T. Gordon
Milton K. Bantly
H. J. Bannigan
J. A. Ryerman
Norris B. Koontz
Geo. W. Miller
J. J. Reiman
Walter Imberger

Cambria County, ss:-

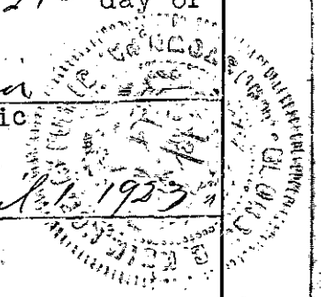
The undersigned being duly sworn according to law deposes and says that the facts set forth in the foregoing petition are true and correct.

Walter Umberger

Sworn and subscribed before me this 21st day of January, 1922.

George C. Keen
Notary Public

My commission expires March 1, 1923



D E C R E E

Now the 22 day of January, 1922, the within petition having been presented and Wallace J. Baumgardner Philip Caulfield and L. R. Owen are appointed viewers to view the premises and make return to the Court.

By the Court
Evans J

IN THE COURT OF QUARTER SESSIONS
OF CAMBRIA COUNTY, NO. 2,
Dec SESSIONS, 1921

Petition for appointment of Viewers on Bridge over Solomon Run on Messenger Street in Dale Borough, Cambria County, Penn'a.

DECREE

And now, ~~November~~ Dec 4, 1922, the within Petition read and considered and Philip S. Campbell W. J. Bongardner and H. E. Ducky appointed Inspectors on the within mentioned Bridge, and to make report thereof to the Court.

James Lemmon Reed

PRESIDENT JUDGE OF THE ORPHANS' COURT

SPECIALLY PRESIDING

Filed 4 Dec. 1922.

Walter Jones,
County Solicitor.

IN THE COURT OF QUARTER SESSIONS OF CAMBRIA COUNTY, NO. 2, DECEMBER SESSIONS, 1921.

TO THE HONORABLE JUDGES OF THE COURT OF QUARTER SESSIONS OF CAMBRIA COUNTY, PENNSYLVANIA:

The Petition of the Commissioners of Cambria County, respectfully represents:

That it having appeared to the Court, to the Grand Jury, and the Commissioners of the said County, that a bridge over Solomon Run on Messenger Street in Dale Borough, Cambria County, Pennsylvania, was necessary, and that it would be too expensive for the said Borough to erect said bridge; and the same having been entered of record, your Petitioners procured an estimate to be made as nearly as might be, of the expense of the same, and did proceed to have such bridge erected, by entering into a contract with Charles Shenkemeyer & Sons of Johnstown, Pa., for the building of said Bridge for the sum of FOUR THOUSAND SEVEN HUNDRED FIFTY ($4750.00; and that the said Bridge is now completed agreeably to the said contract.

Your Petitioners, therefore, pray the Court to appoint Inspectors to inspect said Bridge and the workmanship thereof, agreeably to the Act of Assembly, and the Supplements and Amendments thereto, and to make report to your Honorable Court.

Attest:

Clerk.

Commissioners of Cambria County.

COMMONWEALTH OF PENNSYLVANIA,(
(SS:
COUNTY OF CAMBRIA (

Before me, Frank C. Robb, Clerk of the Court of Quarter Sessions of Cambria County, appeared T. Stanton Davis, Dwight Roberts and H. B. Heffley, Commissioners of Cambria County, the above-named Petitioners, who in due form of law did depose and say that the statements set forth in the foregoing Petition are true and correct to the best of their knowledge and belief.

Sworn and subscribed before me this
1st day of Dec., A. D. 1922.

Frank C. Robb
Clerk of Court of Q. S. of
Cambria County.

T. Stanton Davis
Dwight Roberts
H. B. Heffley.

Not Microfilmed

RD #2

Dec. Term

1921

BRIDGE OVER SOLOMONS RUN

IN

DALE BOROUGH

CAMBRIA COUNTY, PA.

MARCH 6, 1922

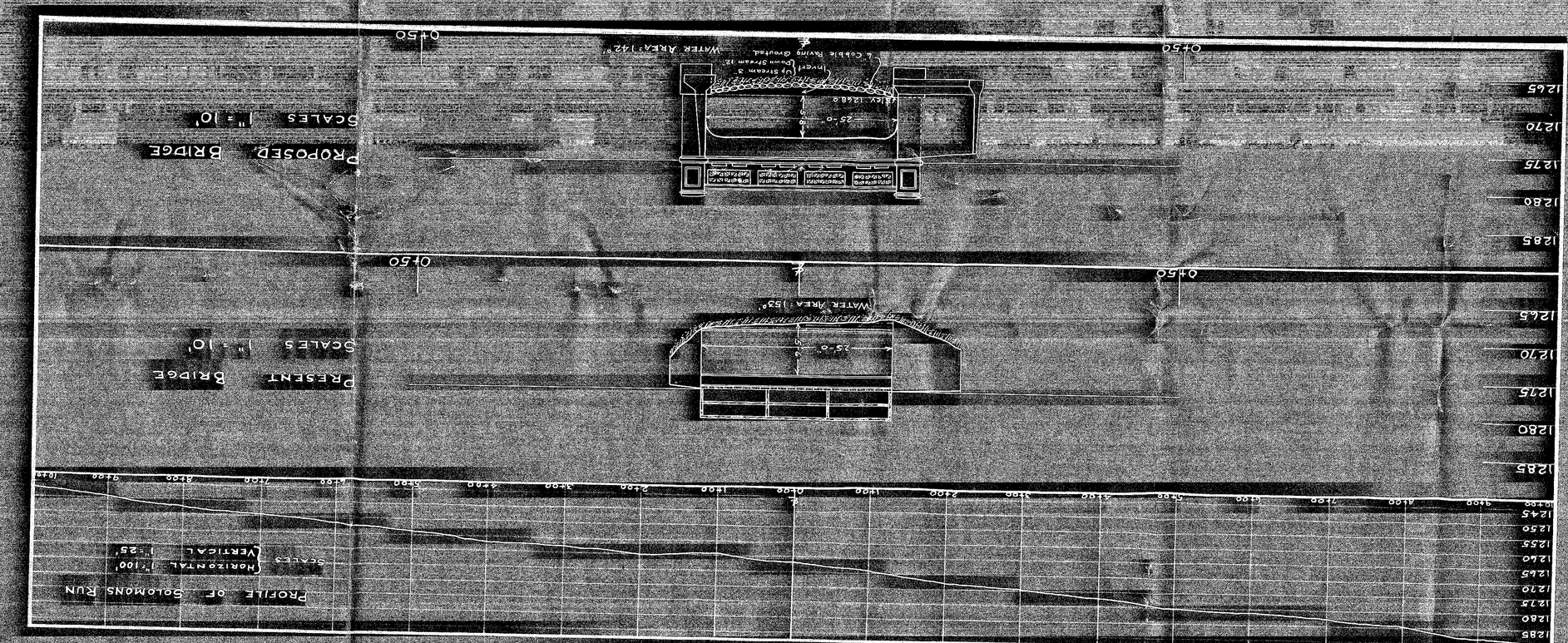
SCALE 1"=20'

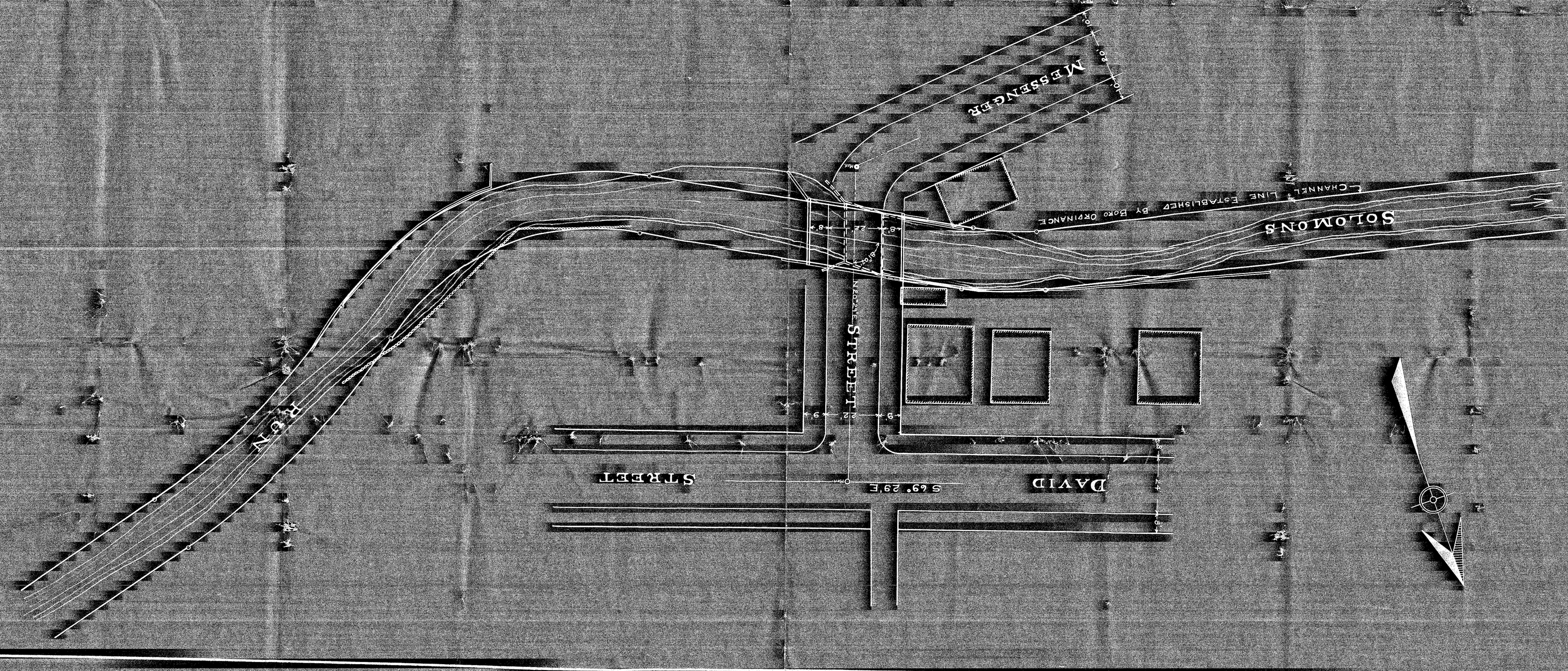
NCORPORATED

JOHNSTOWN, PA.

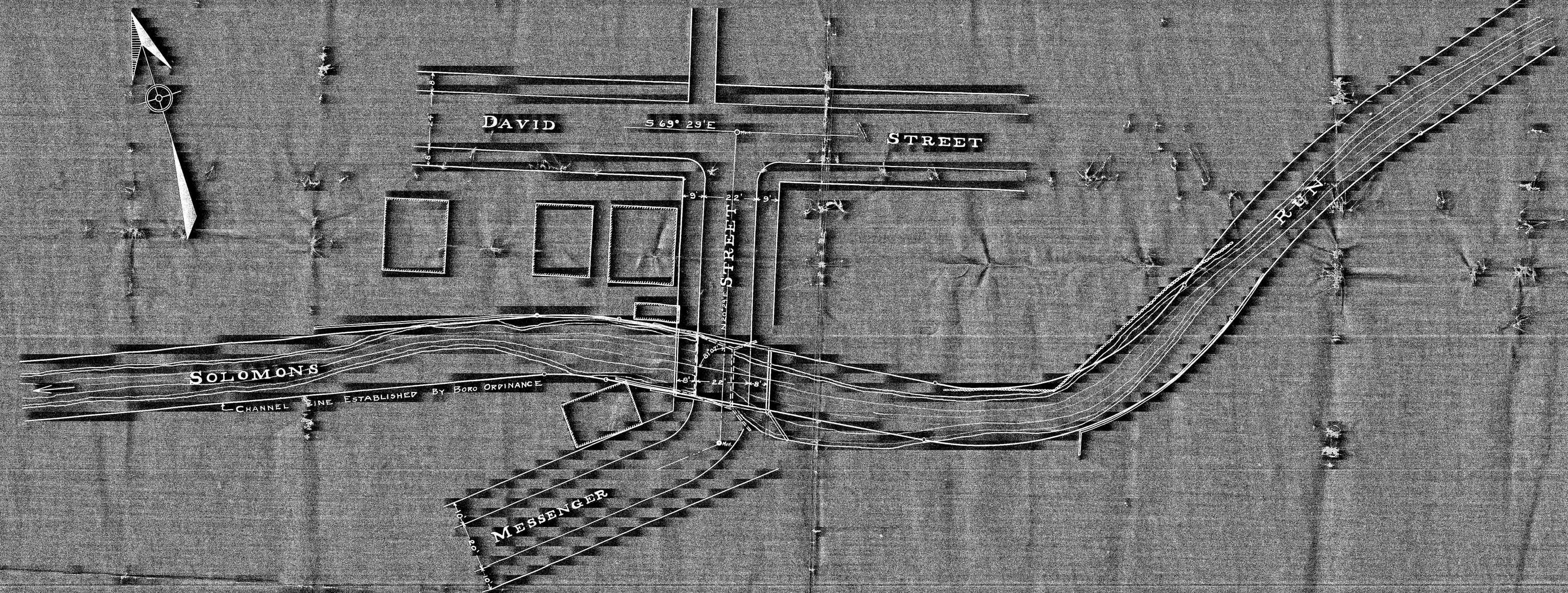
OWEN & PLUMMER

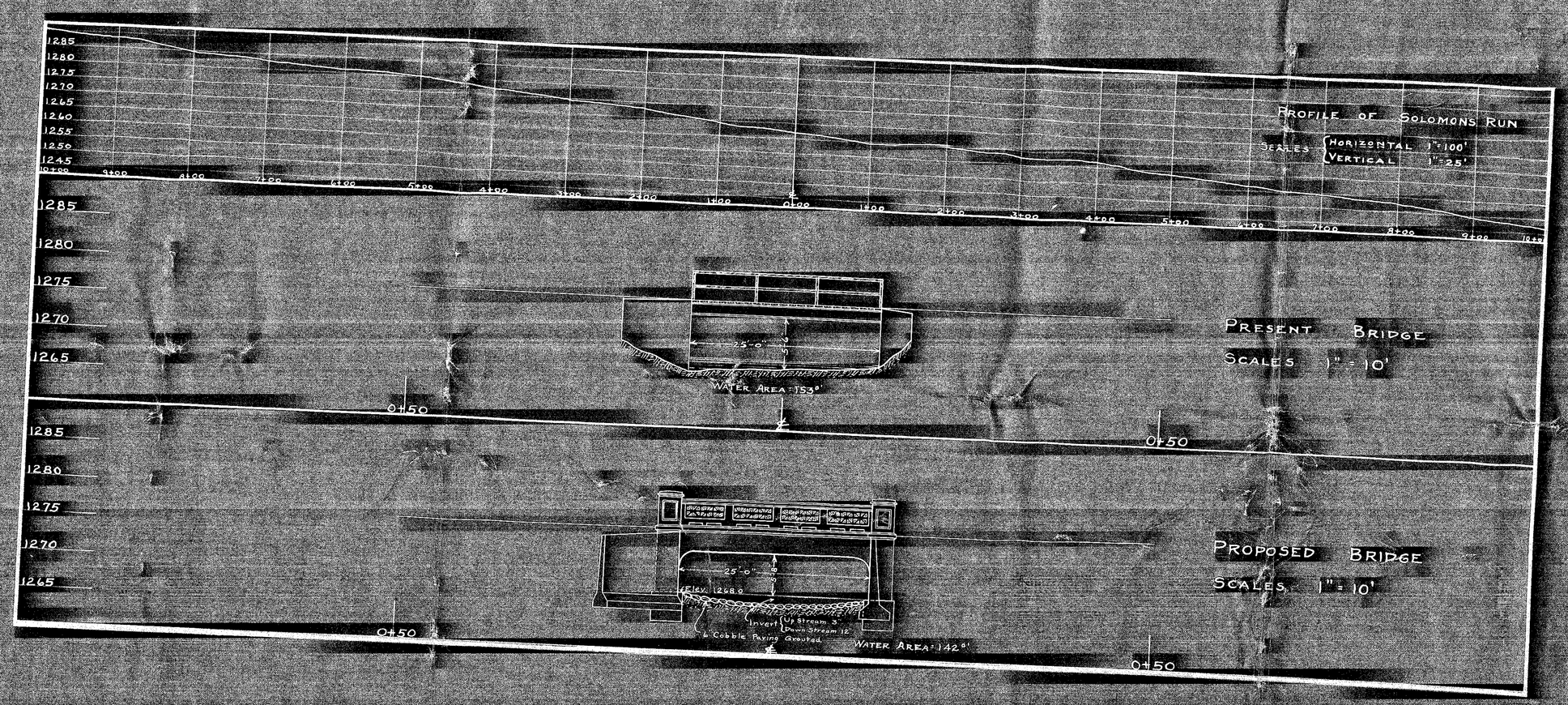
ENGINEERS





No 2. December Sess. 1921.





BRIDGE OVER SOLOMONS RUN
IN
DALE BOROUGH
CAMBRIA COUNTY, PA.

MARCH 6, 1922.

SCALE 1"=20'

JOHNSTOWN, PA.

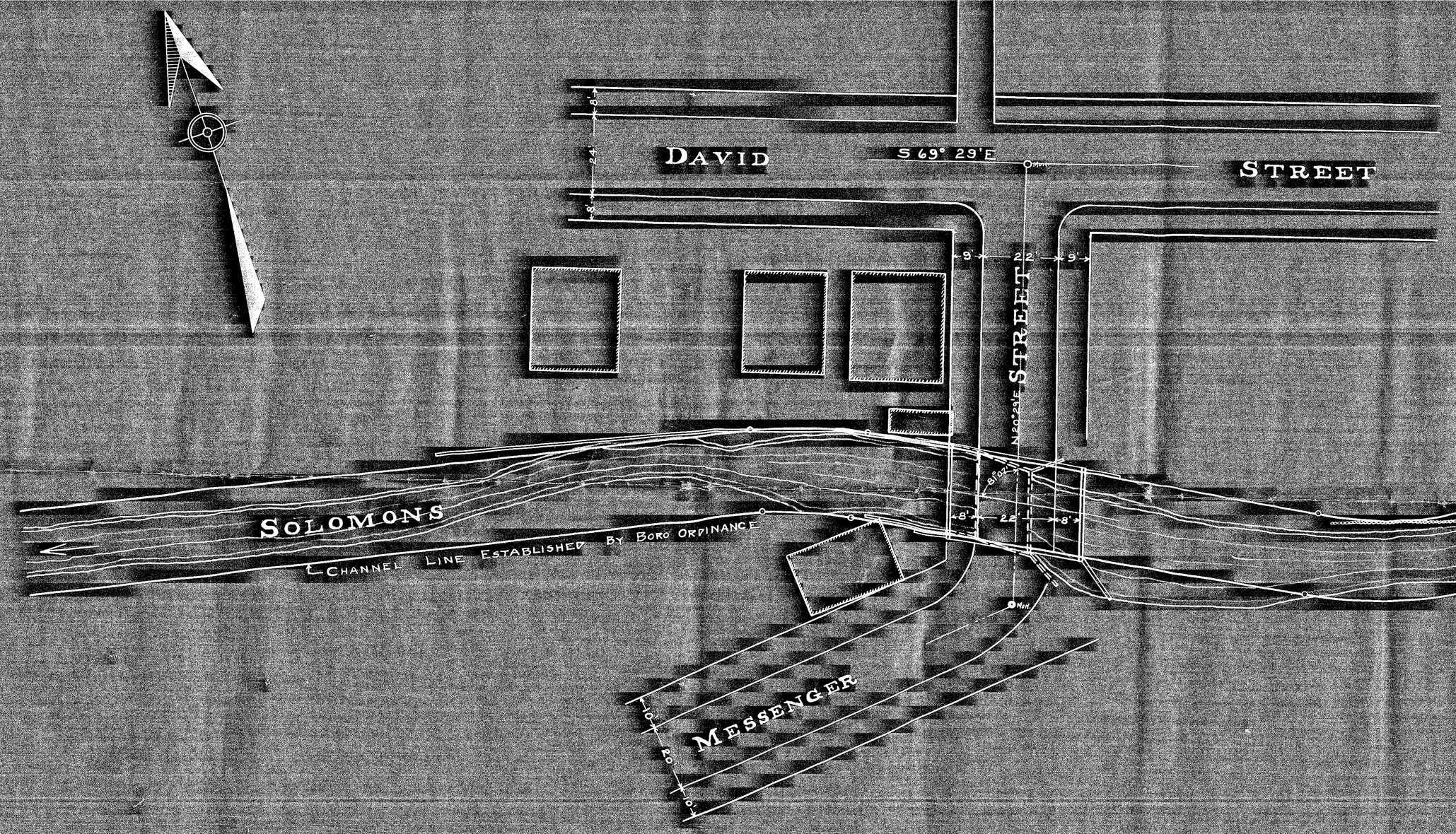
OWEN & PLUMMER
INCORPORATED
ENGINEERS.

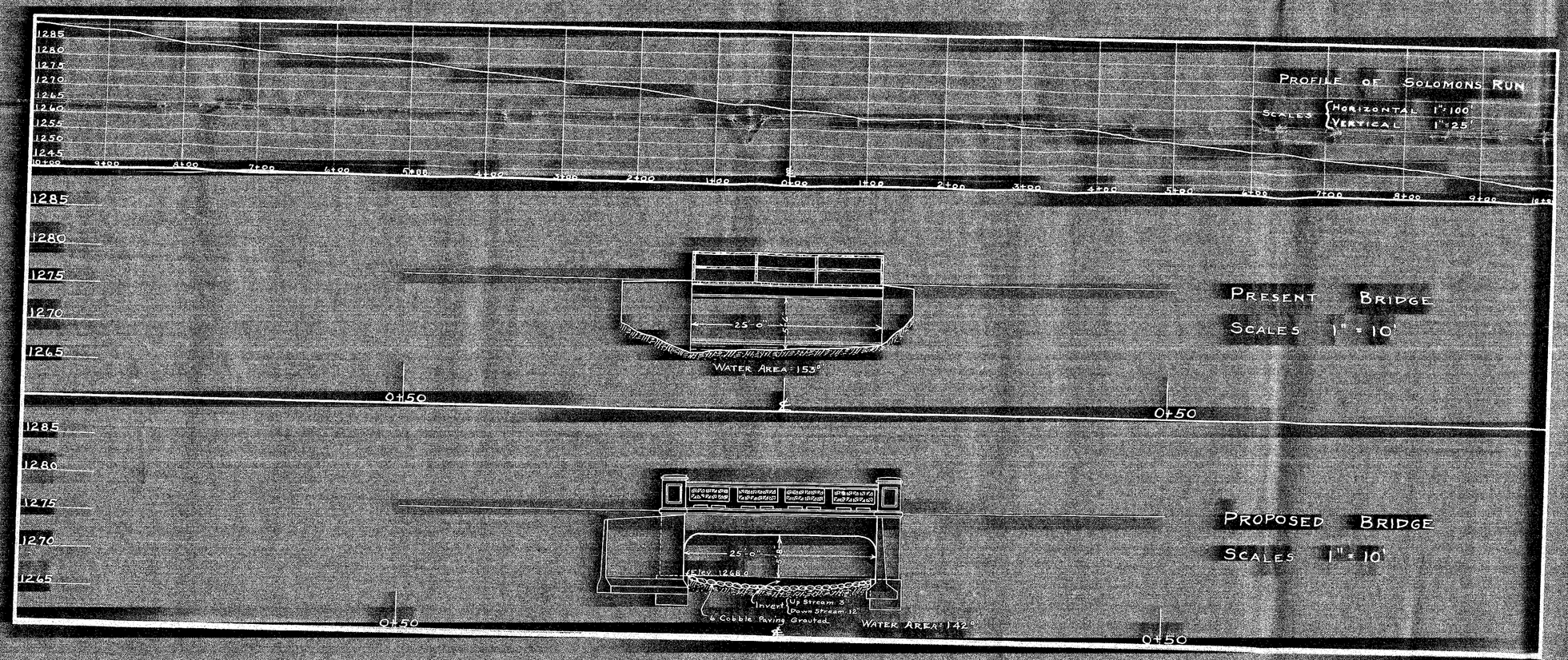
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RD #2

Dec Term

1921.





BRIDGE OVER SOLOMONS RUN
IN
DALE BOROUGH
CAMBRIA COUNTY, PA.

MARCH 6, 1922.

SCALE 1"=20'

JOHNSTOWN, PA.

OWEN & PLUMMER
INCORPORATED
ENGINEERS

Not Microfilmed

RD # 2

Dec. 1921

PLAN
FOR PROPOSED
COUNTY BRIDGE
OVER
SOLOMONS RUN
STATE IN
DALE BOROUGH CAMBRIA CO. PA.
HEDORP ENGINEERS EBENSBURG PA
JUNE 27, 1922
SCALE 1-40

Approved

BILL OF MATERIAL

10	-	12"I	28'-0 LONG
52	-	15"x15½"	BEARING PLATES
56	-	½" SOLID	BASE PLATE 24"x30" LONG
12	-		84.0
36	-		84.0
		TOTAL STEEL	280.0
		BRICK PAVING	23,600
		EXCAVATION (GRADE)	71 24ths YDS
		CONCRETE 1-3-5	71
		BOULDER 1-2-4	54
			117
			50 CU YDS

SECTION A-A

SECTION B-B

PRESENT WINGWALL

PRESENT WINGWALL

18'-7½" - 224.0'

18'-7½" - 224.0'

20'-0"

20'-0"

BEARING PLATES 15"x15"x⅜"

BEARING PLATES 15"x15"x⅜"

18'-7½" - 224.0'

BOULDER CONC.

SPACED 2'-2" C. TO C.

½" RODS 8" C. TO C.

½" RODS 8" C. TO C.

½" RODS 6" C. TO C.

½" RODS 6" C. TO C.

10" CORS 24" C. TO C.