

Terminal Railroad Association Collection

Inventory of Eads Bridge Drawings at Washington University
Processed by Catherine Forslund, 1995

Section 6: Drawings 501-600

- TR-501 #67: Construction of lower roadway between alley and 2nd Street
Scale: 1/4 inch=1 foot
Date: 1/12/1872
Size: 40x27
- TR-502 Masonry piers for East St. Louis approach, 2 lines "A"
Scale: 1 inch=10 feet
Size: 43x25
- TR-503 Masonry piers for East St. Louis approach, 2 lines "A", Baltimore Bridge Co.
Scale: 1 inch=10 feet
Date: 4/1873
Size: 42x25
- TR-504 Masonry piers for East St. Louis approach, 2 lines "B"
Scale: 1 inch=10 feet
Size: 43x23
- TR-505 Masonry piers for East St. Louis approach, 2 lines "B", Baltimore Bridge Co.
Scale: 1 inch=10 feet
Date: 4/1873
Size: 41x3
- TR-506 Masonry piers for East St. Louis approach, centre line "C", Baltimore Bridge Co.
Scale: 1 inch=10 feet
Date: 4/1873
Size: 41x25
- TR-507 Masonry for eastern approach, various lines
Size: 42x29
- TR-508 Masonry for eastern approach, various lines, Baltimore Bridge Co.
Date: 6/30/1873
Size: 43x30
- TR-509 Unidentified, shows more masonry piers
Date: 5/8/1873
Size: 37x28

- TR-510 Unidentified, shows more masonry piers
Date: 5/8/1873
Size: 39x28
- TR-511 Masonry for eastern approach, various lines, Baltimore Bridge Co.
Size: 42x31
- TR-512 #41 and 42 (revised): Untitled, superstructure from section near center of bridge
Date: received at St. Louis, 4/2/1872 by Walter Katte (Engineer, Keystone Bridge Co.)
Size: 26x34 (damaged; drawing missing small section from middle, fragile)
- TR-513 Unidentified, appears to be cross-sections near center of span, shows truss and plan of plates in flanges
Signed: Eads
Size: 31x36 (damaged; in two pieces, some middle sections missing, drawing breaks off at left edge, very fragile)
- TR-514 Sketch showing proposed crossing of Dyke Ave. by eastern approaches to bridge in East St. Louis (City Ordinance #211 of 2/26/1873), also shows cross section of Dyke Ave.
Scale: 1 inch=30 feet
Size: 54x16 (folded)
- TR-515 #61 (revised): Bridges across Main Street and Second Street
Scale: 1/48 and 1/12
Date: 5/4/1871; received at St. Louis, 5/15/1871 by Walter Katte
Size: 36x27 (damaged; in 2 pieces, drawing breaks off at right edge, some middle pieces missing)
- TR-516 Section and rear view of abutments for bridges in west approach, including list of grades for upper and lower roadway
Date: 10/7/1871
Size: 12x12
- TR-517 #42: Iron wind truss of upper roadway in centre span
Scale: 1 inch=1 foot and 6 feet
Date: 2/5/1872
Size: 54x20 (damaged; in 2 pieces, drawing breaks off at upper left and right)

- TR-518 Stairway for local depot on Main Street and plan of lower roadway over west approach
Scale: 1 inch=10 feet and 30 feet
Size: 44x22 (very fragile)
- TR-519 General plan for suspended floor, plan for floorover beams replacing kneebraces
Size: 35x21
- TR-520 Unidentified, appears to be placement of floor beams in centre and side spans
Date: 5/16/1887
Size: 41x21
- TR-521 Unidentified, appears to be structure of side spans
Date: 5/13/1887
Size: 41x21
- TR-522 Unidentified, appears to be stress load graphs, with some calculations
Size: 25x21
- TR-523 Unidentified, appears to be placement of upper rib in centre and west span, with some stringer calculations
Scale: 1 inch=2 feet
Date: 5/16/1889
Size: 36x21
- TR-524 Unidentified, appears to be details of centre span joints 11 & 33, showing bolts, connections, etc. and general design of floorbeam connections
Date: 2/1888
Size: 42x24
- TR-525 Centre span detail showing deflection of arch and stringer positions at various temperatures
Scale: 1 inch=10 feet, full size
Date: 12/1887
Size: 42x24
- TR-526 Unidentified, appears to be details of suspended floor sections, including some joints
Date: 10/25/1887
Size: 42x23
- TR-527 Unidentified, appears to be some details of latticed girders and connections
Scale: 1/8 inch=1 inch
Date: 10/8/1887

	Size: 42x23
TR-528	East St. Louis approach, line B south, bent 1 Size: 42x30
TR-529	East St. Louis approach, transverse section, bent 1 Size: 41x30
TR-530	East St. Louis approach, section at abutment and section at centre post of span 1 Size: 42x30
TR-531	East St. Louis approach, cross section, centre post, span 2 Size: 42x30
TR-532	East St. Louis approach, 1/2 sections at bents 2-3 Size: 42x30
TR-533	East St. Louis approach, line A south, bents 2 & 4 Size: 42x30
TR-534	East St. Louis approach, line B south, bents 2-4 Size: 42x30
TR-535	East St. Louis approach, sections of truss posts Size: 42x30
TR-536	East St. Louis approach, transverse section at bent 8 Size: 42x30
TR-537	East St. Louis approach, line B south, bents 22-23 Size: 42x30
TR-538	East St. Louis approach, line B south, bents 23-25 Size: 42x30
TR-539	East St. Louis approach, transverse section at bent 27 Size: 42x30
TR-540	East St. Louis approach, 1/2 section at bent 31 Size: 42x30
TR-541	East St. Louis approach, 1/2 section at bent 32 Size: 42x30
TR-542	East St. Louis approach, line A south, bent 33

Size: 42x30

TR-543 East St. Louis approach, line B south, bents 31 and 33
Size: 42x30

TR-544 East St. Louis approach, line C, bents 31-33
Size: 42x30

TR-545 East St. Louis approach, 1/2 section at bent 33
Size: 42x30

TR-546 East St. Louis approach, transverse section at bent 37
Size: 42x30

TR-547 East St. Louis approach, line A, bents 42-43
Size: 42x30

TR-548 East St. Louis approach, line B south, bents 43-45 and 49-50
Size: 42x30

TR-549 East St. Louis approach, sections at bents 45 and 50
Size: 42x30

TR-550 East St. Louis approach, sections at bents 51 and 55
Size: 42x30

TR-551 East St. Louis approach, sections at bents 51 and 55
Size: 42x30

TR-552 East St. Louis approach, line b south, bent 1
Size: 42x30

TR-553 East St. Louis approach, section at abutment and centre post of span one
Size: 42x30

TR-554 East St. Louis approach, transverse section, bent 1
Size: 42x30

TR-555 #65: Construction of lower roadway between 2nd & 3rd Streets
Scale: 1/4 inch=1 foot
Date: 1/5/1872
Size: 40x27

TR-556 #66: Construction of lower roadway between Main Street and alley

Scale: 1/4 inch=1 foot
Date: 1/16/1872
Size: 39x27

- TR-557 #53: Longitudinal section of pier
Size: 42x48 (folded, very fragile)
- TR-558 Bridge upper roadway new construction, cross section and ground plan, sheet 1--15 inch I beams
Scale: 1/2 inch=1 foot, 10 inches=1 inch
Date: 2/1882
Signed: C. Shaler Smith, Consulting Engineer
Size: 37x24
- TR-559 Sruts for Main and 2nd Streets, upper roadway, new construction, sheet 2--west approach
Scale: 1 inch=10 inches
Date: 2/1882
Signed: C. Shaler Smith
Size: 38x24
- TR-560 New construction, sheet 3--west approach, built girders and brackets
Scale: 1/2 inch=1 foot
Date: 4/1882
Signed: C. Shaler Smith
Size: 36x23
- TR-561 New construction, sheet 4--west abutment, arrangement of I beams and brackets over abutment
Scale: 1/2 inch=1 foot
Signed: C. Shaler Smith
Size: 36x23
- TR-562 New construction, sheet 5--main spans
Scale: 1/2 inch=1 foot
Signed: C. Shaler Smith
Size: 36x22
- TR-563 New construction, sheet 6--upper roadway, east and west piers and east abutment
Scale: 1/2 inch=1 foot

Signed: C. Shaler Smith
Size: 38x23

- TR-564 New construction, sheet 7--upper roadway, east arcade
Scale: 1/2 inch=1 foot, 1 inch=8 inches
Signed: C. Shaler Smith
Size: 36x21
- TR-565 Longitudinal section of upper roadway over east arcade, showing revised
grade, sheet 8--upper roadway, east arcade
Scale: 1 inch=3 feet
Signed: C. Shaler Smith
Size: 37x23
- TR-566 Upper roadway between east arcade and east approach, half cross section,
sheet 9--upper roadway
Scale: 1/2 inch=1 foot
Signed: C. Shaler Smith
Size: 37x22
- TR-567 East approach, station 0 to bent 3, appears to be diagrams of truss posts, rods,
etc., various locations
Size: 42x32
- TR-568 East approach, station 0 to bent 3, appears to be diagrams of truss posts, rods,
etc., various locations
Size: 41x32
- TR-569 Unidentified, appears to be diagrams of truss posts, rods, etc., various locations
Size: 43x29
- TR-570 East approach, bents 3-12, appears to be diagrams of truss posts, rods, etc.
Size: 43x31
- TR-571 East approach, bents 3-12, appears to be diagrams of truss posts, rods, etc.
Size: 43x31
- TR-572 East approach, plans and sections, bent 3-43, appears to be diagrams of truss
posts, rods, etc.
Size: 42x32
- TR-573 Eastern approach, plans and sections, bent 3-43, appears to be diagrams of
truss posts, rods, etc.
Size: 43x32 (in 2 pieces)

- TR-574 Eastern approach, plans and sections, bent 3-43, appears to be diagrams of truss posts, rods, etc.
Size: 42x31
- TR-575 East approach, station 0 to bent 3, appears to be diagrams of truss posts, rods, etc.
Size: 43x32
- TR-576 Ground plan of east approach from bent 44 to bent 56
Date: 8/23/1873
Size: 42x23
- TR-577 East approach, bent 43-56, shows column placement
Size: 42x3
- TR-578 Railroad bridge across Dyke Ave. for the eastern approach of the bridge
Scale: 1/8 inch=1 foot
Date: 1/29/1873
Size: 44x26
- TR-579 Testing machine of 510 tons pressure to test and select cast steel staves to tubes
Scale: 1/8 inch=1 inch
Size: 37x28
- TR-580 Testing machine of 510 tons pressure to test and select cast steel staves to tubes
Scale: 1/8 inch=1 inch
Size: 40x28
- TR-581 Equalizer for hydrostatic jacks designed by Col. Henry Flad
Size: 37x28
- TR-582 Second Street bridge
Size: 40x25 (in 2 pieces)
- TR-583 Unidentified, appears to be isometrical views of pier base mouldings
Size: 41x27
- TR-584 Isometrical and top views of pier base mouldings
Size: 25x42
- TR-585 Isometrical and top views for table course on piers
Size: 26x42

- TR-586 Unidentified, isometrical views of mouldings
Size: 41x27
- TR-587 Isometrical and top views on table course J of abutments
Size: 27x26
- TR-588 Unidentified, appears to be isometrical and tops views of mouldings
Size: 41x26
- TR-589 Top view of masonry of bridge west pier
Scale: 1 inch=12 feet
Size: 38x26
- TR-590 Unidentified, front view of various piers
Scale: 1/8 inch=1 foot
Size: 49x24
- TR-591 West abutment
Scale: 1/8 inch=1 foot
Date: 12/11/1869
Size: 20x28
- TR-592 West abutment
Scale: 1/8 inch=1 foot
Date: 12/11/1869
Size: 20x29
- TR-593 West approach between Main and Front Streets
Scale: 1 inch=60 feet
Date: undated, notation, traced 3/10/48
Size: 38x25 (damaged; drawing breaks off at bottom)
- TR-594 Centres for arches on levee
Scale: 1/2 and 1/16 inch=1 foot
Date: 3/29/1871
Size: 33x31 (in 2 pieces)
- TR-595 East approach, sheet #1, shows pillars and superstructure, pier, and top view of rail platform
Scale: 1 inch=10 feet
Size: 44x31 (very fragile)
- TR-596 East approach, sheet #1, very similar to TR-595 above, shows pillars and

superstructure, pier, and top view of rail platform
Scale: 1 inch=10 feet
Size: 44x29 (very fragile)

TR-597 East approach, sheet #2, shows pillars and superstructure, and top view of rail platform
Scale: 1 inch=10 feet
Size: 43x29

TR-598 East approach, sheet #3, shows pillars and superstructure, and top view of rail platform
Scale: 1 inch=10 feet
Size: 43x31

TR-599 East approach, sheet #4(?), shows pillars and superstructure, and top view of curved portion of rail platform
Scale: 1 inch=10 feet
Size: 43x30 (very fragile)

TR-600 East approach, sheet #5, shows pillars and superstructure, top view of rail platform
Scale: 1 inch=10 feet
Size: 46x31 (very fragile)