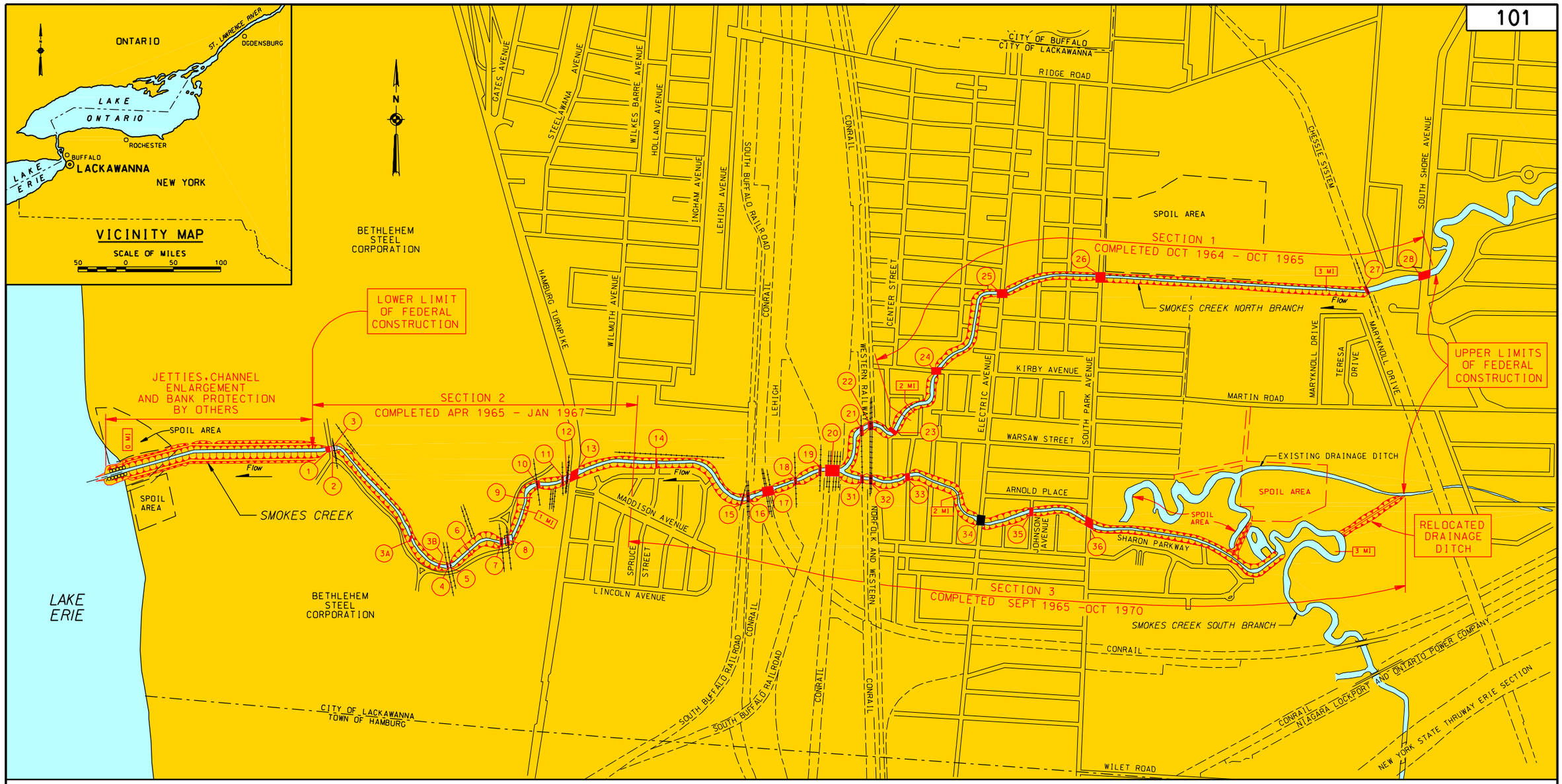

LISTING OF BRIDGES

NO	NAME	TREATMENT (SEE KEY)	NO	NAME	TREATMENT (SEE KEY)
1	BETHLEHEM STEEL VEHICULAR	F			
2	SOUTH BUFFALO R.R.	B			
3	SOUTH BUFFALO R.R.	C	19	SOUTH BUFFALO R.R. & VEHICULAR	I
3A	BETHLEHEM STEEL PIPE LINE	D	20	CONRAIL	G
3B	BETHLEHEM STEEL RR BRIDGE	D	21	CONRAIL	N
4	SOUTH BUFFALO R.R.	B	22	NORFOLK & WESTERN RY.	E
5	SOUTH BUFFALO R.R.	E	23	WARSAW STREET	N
6	BETHLEHEM STEEL PIPE LINE	H	24	KIRBY AVENUE	J
7	SOUTH BUFFALO R.R.	C	25	ELECTRIC AVENUE	J
8	BETHLEHEM STEEL VEHICULAR	K	26	SOUTH PARK AVENUE	J
9	BETHLEHEM STEEL PIPE LINE	I	27	CONRAIL	D
10	SOUTH BUFFALO RR	G	28	SOUTH SHORE BLVD	D
11	SOUTH BUFFALO RR	G	31	CONRAIL	G
12	SOUTH BUFFALO RR	B	32	NORFOLK & WESTERN RY.	E
13	HAMBURG TURNPIKE	G	33	WOOD STREET	P*
14	SPRUCE ST. PEDESTRIAN OVERPASS	S*	34	ELECTRIC AVENUE	NONE
15	SOUTH BUFFALO RR	M	35	JOHNSON AVENUE	O*
16	CONRAIL	L	36	SOUTH PARK AVENUE	R
17	CONRAIL	I			
18	SOUTH BUFFALO RR	A			

* MODIFICATIOIN BY OTHERS

KEY TO BRIDGE TREATMENT

A -REPLACE SUPERSTRUCTURE STEEL; SHEET PILE CELLULAR WINGWALLS; STEEL SHEET PILING WINGWALL EXTENSIONS; LT. WT. STEEL SHEET PILING ALONG ABUTMENTS AND WINGWALLS; CONCRETE UNDERPINNING BETWEEN ABUTMENTS

B -STEEL SHEET PILING ALONG ABUTMENTS; CONCRETE UNDERPINNING BETWEEN ABUTMENTS

C -STEEL SHEET PILE CELLULAR WINGWALLS; STEEL SHEET PILING ALONG ABUTMENTS AND WINGWALLS CONCRETE UNDERPINNING BETWEEN ABUTMENTS

D -RIPRAP CHANNEL BOTTOM AND SIDE SLOPES

E -STEEL SHEET PILING WINGWALL EXTENSIONS; CONCRETE UNDERPINNING BETWEEN ABUTMENTS

F -STEEL SHEET PILE CELLULAR WINGWALLS; STEEL SHEET PILING ALONG ABUTMENTS; CONCRETE SLAB BETWEEN ABUTMENTS

G -STEEL SHEET PILING WINGWALL EXTENSIONS; STEEL SHEET PILING ALONG ABUTMENTS; CONCRETE UNDERPINNING BETWEEN ABUTMENTS

H -STEEL SHEET PILING WINGWALL EXTENSIONS; RIPRAP CHANNEL BOTTOM AND SIDE SLOPES

I -STEEL SHEET PILING ALONG ABUTMENTS AND WINGWALLS; RIPRAP CHANNEL BOTTOM AND SIDE SLOPES

J -STEEL SHEET PILING WINGWALL EXTENSIONS; RIPRAP CHANNEL SIDE SLOPES

K -STEEL SHEET PILE CELLULAR WINGWALLS; STEEL SHEET PILING WINGWALL EXTENSIONS; CONCRETE SLAB BETWEEN ABUTMENTS

L -STEEL SHEET PILING WINGWALL EXTENSION; LT. WT. STEEL SHEET PILING ALONG ABUTMENTS AND WINGWALLS; CONCRETE WINGWALL EXTENSIONS; CONCRETE UNDERPINNING BETWEEN ABUTMENTS

M -REPLACE SUPERSTRUCTURE; STEEL SHEET PILE CELLULAR WINGWALLS; LT. WT. STEEL SHEET PILING ALONG ABUTMENTS AND WINGWALLS; CONCRETE WINGWALL EXTENSIONS; CONCRETE UNDERPINNING BETWEEN ABUTMENTS

N -STEEL SHEET PILE CELLULAR WINGWALLS; STEEL SHEET PILING WINGWALL EXTENSIONS; STEEL SHEET PILING ALONG ABUTMENTS AND WINGWALLS; CONCRETE UNDERPINNING BETWEEN ABUTMENTS

P -NEW BRIDGE BY OTHERS

O -STEEL SHEET PILING WINGWALL EXTENSIONS; RAISE LOW STEEL ABOVE D.W.S

R -STEEL SHEET PILING WINGWALL EXTENSIONS; CONCRETE SLAB BETWEEN ABUTMENTS

S -EXTEND BRIDGE BY OTHERS; RIPRAP CHANNEL BOTTOM AND SIDE SLOPES

PROJECT WORKS SHOWN IN RED
BANK OR CHANNEL PAVING

SMOKES CREEK
LACKAWANNA, NEW YORK

SCALE OF FEET
500 0 500 1000 1500

U.S. ARMY ENGINEER DISTRICT BUFFALO
SEPTEMBER 1994