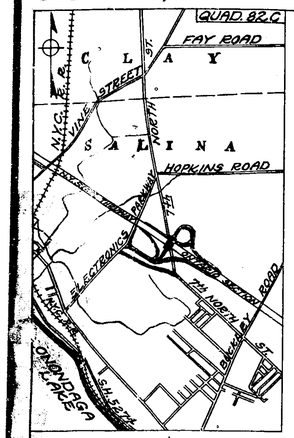
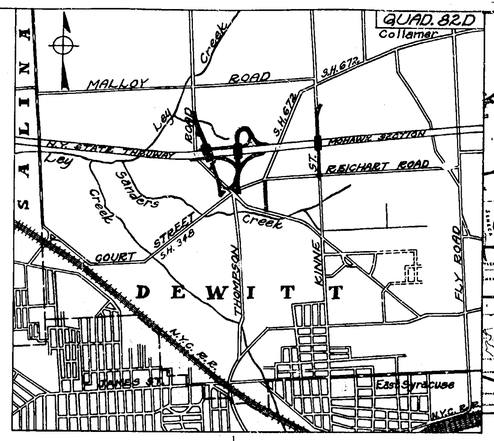
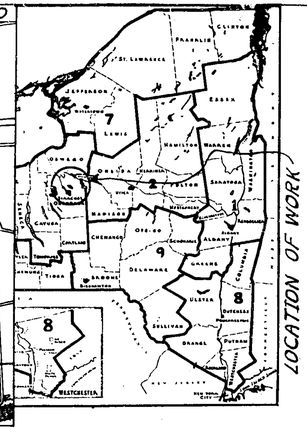
O.T. 53-8, M.T. 53-8, S.T. 53-20, R.C. 53-36







NEW YORK STATE THRUWAY AUTHORITY

PLANS FOR CONSTRUCTING ACCELERATION AND DECELERATION LANES ON A PORTION OF THE

NEW YORK STATE THRUWAY, ONTARIO SECTION: Subdivision 8A

From Station 2244+52 to Station 2287+80, a length of 0.82 mile in the Town of Salina

AND FOR CONSTRUCTING THE

ELECTRONICS PARKWAY (HOPKINS ROAD) INTERCHANGE

At Station 2264+95, a length of 1.51 miles in the Town of Salina

A TOTAL LENGTH OF 2.33 MILES — CONTRACT No. O.T. 53-8

AND FOR CONSTRUCTING ACCELERATION AND DECELERATION LANES ON A PORTION OF THE

NEW YORK STATE THRUWAY, MOHAWK SECTION: Subdivision 8B

From Station 2502+47 to Station 2542+11, a length of 0.75 mile in the Town of DeWitt

AND FOR CONSTRUCTING THE

THOMPSON ROAD INTERCHANGE

At Station 2519+90, a length of 1.30 miles in the Town of DeWitt

A TOTAL LENGTH OF 2.25 MILES — CONTRACT No. M.T. 53-8

AND FOR CONSTRUCTING PORTIONS OF

ELECTRONICS PARKWAY (HOPKINS ROAD)

From Station 29+20 to Station 42+65, a length of 0.25 mile in the Town of Salina

EXTENSION OF SEVENTH NORTH STREET

From Station 3+53 to Station 20+92, a length of 0.33 mile in the Town of Salina

THOMPSON ROAD

From Station B 9+10 to Station B 42+36, a length of 0.78 mile in the Town of DeWitt

COLLEGE PLACE

From Station C 15+00 to Station C 26+89, a length of 0.22 mile in the Town of DeWitt

A TOTAL LENGTH OF 1.58 MILES — CONTRACT No. S.T. 53-20

AND FOR RECONSTRUCTING A PORTION OF THE

SYRACUSE - BRIDGEPORT, PART 1 (KINNE ST.) S.H. No. 672

Between Station 22+32 and Station 46+33, a length of 0.62 mile in the Town of DeWitt

CONTRACT No. R.C. 53-36

66 SHEETS — A TOTAL COMBINED LENGTH OF 6.58 MILES

ONONDAGA COUNTY

COUNTY			SHEET No.	TOTAL SHEETS
ONONDAGA			1	66

N.Y. STATE THRUWAY, ONTARIO SECTION, SUB DIV. 8A
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 8B
INTERCHANGE AT THOMPSON ROAD

TYPE OF CONSTRUCTION

Reinforced Cement Concrete Pavement	4.16 Miles
Asphalt Concrete, Type 1A, Opt.	0.37 Mile
Foundation Course-Gravel	0.20 Mile
Miscellaneous Work	1.85 Miles

Including

H.G.S., Electronics P'kway Interchange Station 2264+95
Composite Beam, 4 Span, 2 @ 37' 9", 1 @ 64' 9", 1 @ 57' 9"

H.G.S., Thompson Road, Station 2509+00 Comp. Beam, 4 Spans, 2 @ 39' 0", 1 @ 59' 10", 1 @ 67' 1"

H.G.S., Thompson Road Interchange, Station 2519+90
Composite Beam, 4 Spans, 1 @ 37' 9", 1 @ 64' 9", 1 @ 57' 9", 1 @ 37' 3"

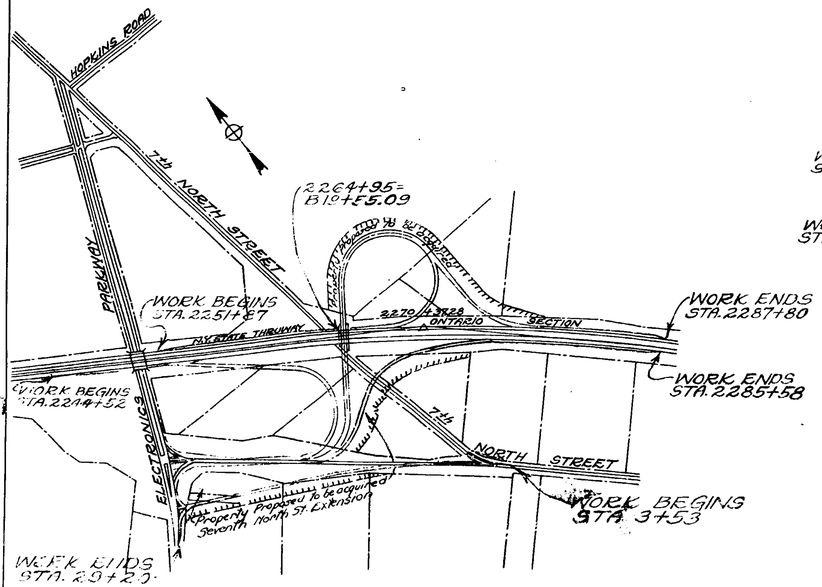
H.G.S., Kinne St. (Relocating of S.H. 672) Sta. 2549+40
Composite Beam, 4 Spans, 2 @ 37' 6", 2 @ 72' 9"

STANDARD STRUCTURE SHEETS

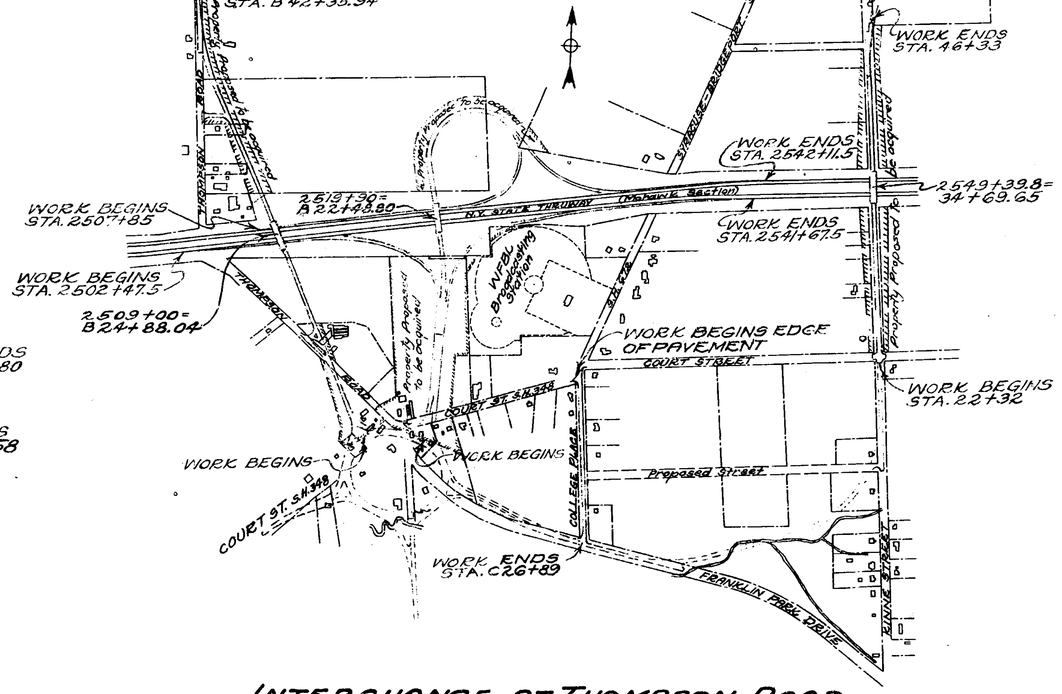
39-9, 46-4, 47-37, 49-65, 49-7, 49-42, 50-1R, 50-34, 51-3, 51-11R, 51-11W, 51-20, 51-21, 51-40, 52-17A, 52-17B, 52-17C, 52-17D, 52-43, 53-41, 53-106

All work contemplated under this contract to be covered by and in conformity with the specifications adopted January 2, 1951, except as modified on these plans and in the Itemized Proposal.

4.9 miles measured along Thruway



INTERCHANGE AT ELECTRONICS PARKWAY



INTERCHANGE AT THOMPSON ROAD

NEW YORK STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF CONSTRUCTION

Approved April 16, 1953
J. B. McMORRAN
J. B. McMorran
Chief Engineer

Approved Apr 16, 1953
E. T. GAWKINS
E. T. Gawkins
Deputy Chief Engineer

Approved APRIL 16, 1953
E. W. WENDELL
E. W. Wendell
Deputy Chief Engineer

Approved April 16, 1953
NEW YORK STATE THRUWAY AUTHORITY
B. D. TALLAMY, Chairman
By: C. H. LANG
C. H. Lang
Deputy Chief Engineer

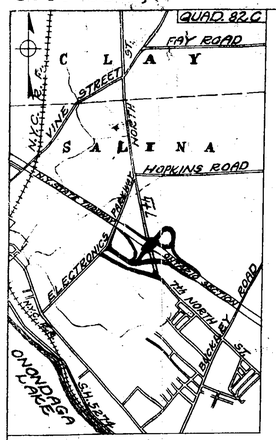
Made By D. F. Huckert — Traced By D. F. Huckert — Checked By Wm. E. Hofmann

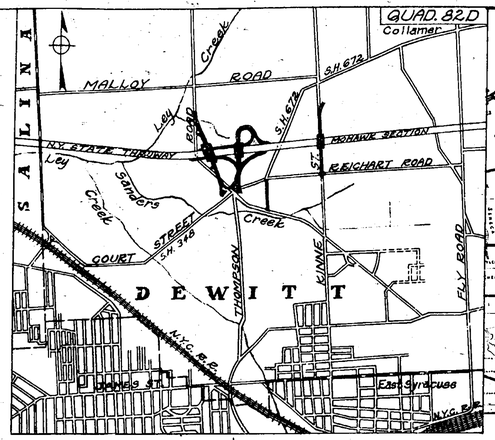
Prepared pursuant to the Highway Law and recommended by

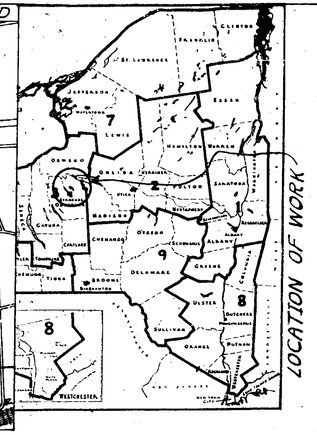
4/1/53 — Engineer District No. 3

O.T. 53-8, M.T. 53-8, S.T. 53-20, R.C. 53-36

O.T. 53-8, M.T. 53-8, S.T. 53-20, R.C. 53-36





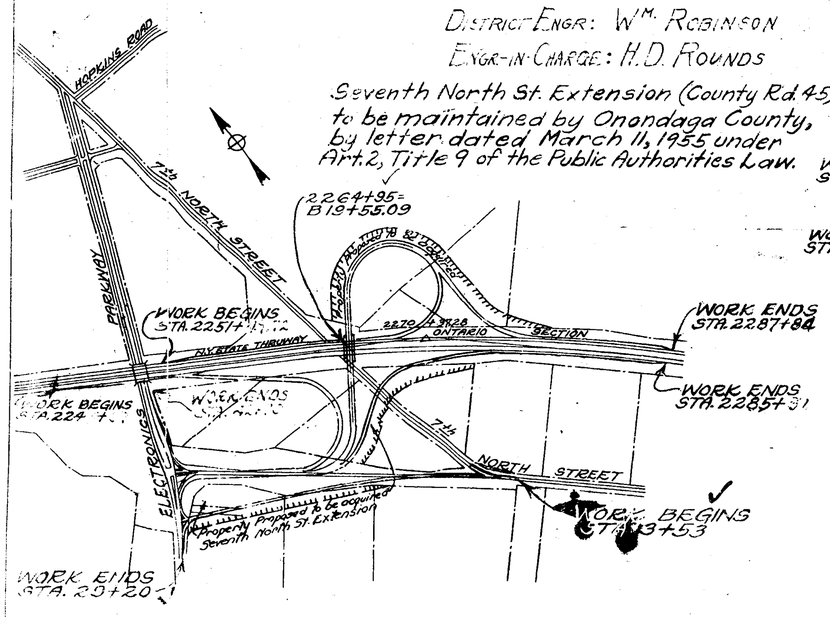


4.9 miles measured along Thruway

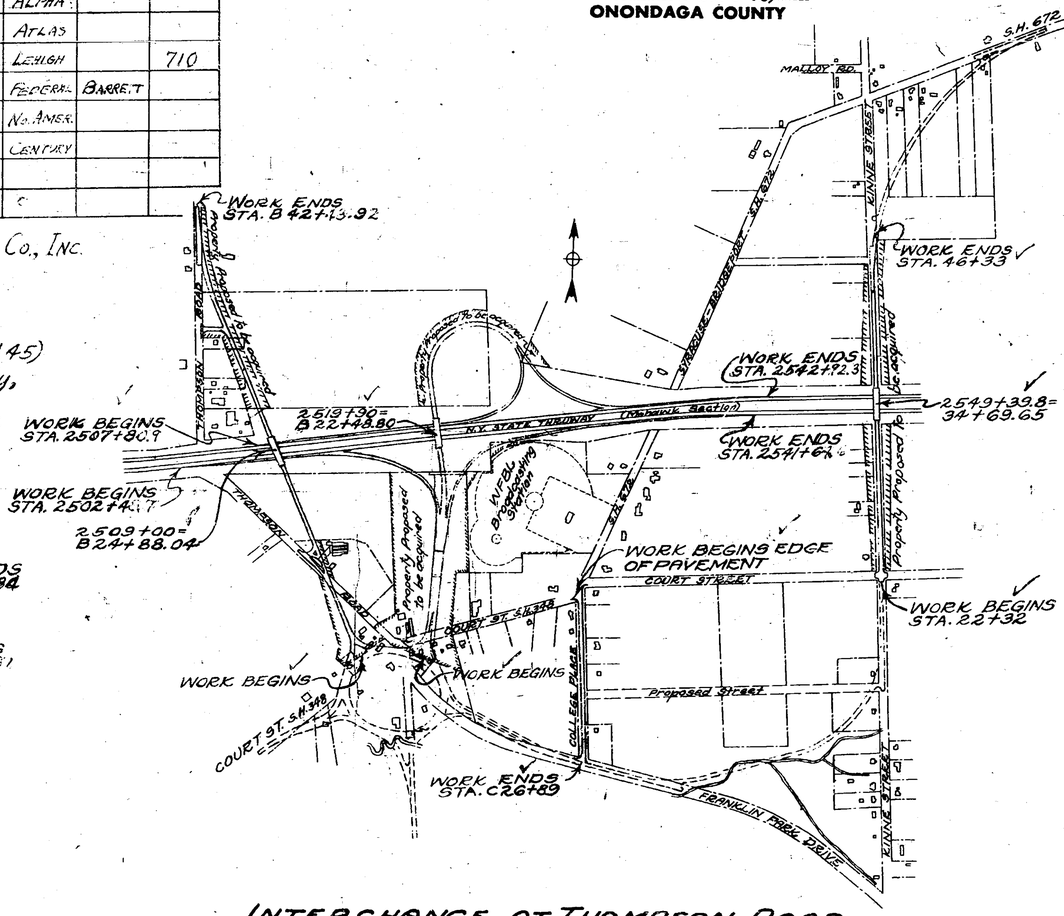
CONTRACT No.	TYPE	LENGTH FEET	LENGTH MILES	WIDTH MIN.	WIDTH ROWN.	THICK OF TOP	S.Y. PAVT.	C.Y. CONC.	TONS OF TOP	MATERIALS STONE, SAND, GRAVEL	MATERIALS CEMENT	MATERIALS ASPH. CONC.	GRAVEL ACCESS RD.
MT53-8	REINF. CONC.	11,922	2.33	Various	Various	9"	24680	5817		GEN. GRADED ARGONA	ALPHA		
OT53-8	REINF. CONC.	13170	2.49	Various	Various	9"	26473	6422		"	ATLAS		
RC 53-36	REINF. CONC.	2112	0.53	24'	44'	9"	5794	1448		"	LEHIGH		710
ST53-20 College Place	ASPH. CONC.	1194	0.23	22'	34'	2½"	3326		468		FEDERAL	BARRETT	
" Thompson Road	REINF. CONC.	4032	0.76	24'	44'	9"	8970	2243	318	"	No. AMER.		
Hopkins Road	REINF. CONC.	1189	0.22	12'	12'	9"	1157	289		"	CENTURY		
Seventh North St.	REINF. CONC.	2320	0.44	-4'	42'	9"	6797	1699	133	"			
DATE OF CONTRACT MAY 29, 1953	DATE OF STARTING MAY 12 1953			DATE OF COMPLETION OCTOBER 1954			DATE OF ACCEPTANCE SEPT. 19 1954						

CONTRACTOR: W.E. O'NEIL CONST. CO., INC.
DISTRICT ENGR: WM. ROBINSON
ENGR-IN-CHARGE: H.D. ROUNDS

Seventh North St. Extension (County Rd. 45) to be maintained by Onondaga County, by letter dated March 11, 1955 under Art. 2, Title 9 of the Public Authorities Law.



INTERCHANGE AT ELECTRONICS PARKWAY



INTERCHANGE AT THOMPSON ROAD

NEW YORK STATE THRUWAY AUTHORITY

PLANS FOR CONSTRUCTING ACCELERATION AND DECELERATION LANES ON A PORTION OF THE

NEW YOKK STATE THRUWAY, ONTARIO SECTION: Subdivision 8A

From Station 2244+52 to Station 2287+80, a length of 0.75 mile in the Town of Salina

AND FOR CONSTRUCTING THE

ELECTRONICS PARKWAY (HOPKINS ROAD) INTERCHANGE

At Station 2264+95, a length of 1.74 miles in the Town of Salina

A TOTAL LENGTH OF 2.49 MILES CONTRACT No. O.T. 53-8

AND FOR CONSTRUCTING ACCELERATION AND DECELERATION LANES ON A PORTION OF THE

NEW YORK STATE THRUWAY, MOHAWK SECTION: Subdivision 8B

From Station 2502+47 to Station 2542+11, a length of 0.93 mile in the Town of DeWitt

AND FOR CONSTRUCTING THE

THOMPSON ROAD INTERCHANGE

At Station 2519+90, a length of 1.40 miles in the Town of DeWitt

A TOTAL LENGTH OF 2.33 MILES CONTRACT No. M.T. 53-8

AND FOR CONSTRUCTING PORTIONS OF

ELECTRONICS PARKWAY (HOPKINS ROAD)

From Station 29+20 to Station 42+65, a length of 0.22 mile in the Town of Salina

EXTENSION OF SEVENTH NORTH STREET

From Station 3+53 to Station 20+92, a length of 0.44 mile in the Town of Salina

THOMPSON ROAD

From Station B 9+10 to Station B 42+36, a length of 0.76 mile in the Town of DeWitt

COLLEGE PLACE

From Static C 15+00 to Station C 26+89, a length of 0.23 mile in the Town of DeWitt

A TOTAL LENGTH OF 1.65 MILES CONTRACT No. S.T. 53-20

AND FOR RECONSTRUCTING A PORTION OF THE

SYRACUSE - BRIDGEPORT, PART 1 (KINNE ST.) S.H. No. 672

Between Station 22+32 and Station 46+33, a length of 0.55 mile in the Town of DeWitt

CONTRACT No. R.C. 53-36

66 SHEETS

A TOTAL COMBINED LENGTH OF 6.85 MILES

ONONDAGA COUNTY

COUNTY			SHEET No.	TOTAL SHEETS
ONONDAGA			1	66
N.Y. STATE THRUWAY, ONTARIO SECTION, SUB DIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

1R

TYPE OF CONSTRUCTION

Reinforced Cement Concrete Pavement	6.49 Miles
Asphalt Concrete, Type 1A, Opt.	0.38 Mile
Foundation Course-Gravel	0.13 Mile
Miscellaneous Work	0.02 Miles

Including

H.G.S. Electronics P'kway Interchange Station 2264+95 Composite Beam, 4 Span, 2 @ 37' 9", 1 @ 64' 9", 1 @ 57' 9"

H.G.S., Thompson Road, Station 2509+00 Comp. Beam, 4 Spans, 2 @ 39' 0", 1 @ 59' 10", 1 @ 67' 1"

H.G.S., Thompson Road Interchange, Station 2519+90 Composite Beam, 4 Spans, 1 @ 37' 0", 1 @ 64' 9", 1 @ 57' 9", 1 @ 37' 3"

H.G.S., Kinne St. (Relocating of S.H. 672) Sta: 2549+40 Composite Beam, 4 Spans, 2 @ 37' 6", 2 @ 72' 9"

STANDARD STRUCTURE SHEETS

39-9, 46-4, 47-37, 49-6S, 49-7, 49-42, 50-1R, 50-34, 51-3, 51-11R, 51-11W, 51-20, 51-21, 51-40, 52-17A, 52-17B, 52-17C, 52-17D, 52-43, 53-41, 53-106

All work contemplated under this contract to be covered by and in conformity with the specifications adopted January 2, 1951, except as modified on these plans and in the Itemized Proposal.

Thompson Road (County Road 13) to be maintained by Onondaga County; by letter dated March 16, 1955 under Art. 2, Title 9 of the Public Authorities Law.

Syracuse-Bridgeport, Pt. 1, S.H. 672 to be maintained by New York State Dept. of Public Works, by letter dated March 16, 1955 under Art. 2, Title 9 of the Public Authorities Law.

NEW YORK STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF CONSTRUCTION

Approved April 16 1953
J.B. McMORRAN
Chief Engineer

Approved Apr 16 1953
E. T. GAWKINS
Deputy Chief Engineer

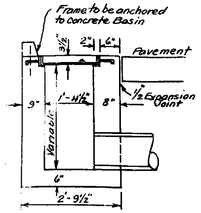
Approved APRIL 16, 1953
E. W. WENDELL
Deputy Chief Engineer

Approved April 16 1953
NEW YORK STATE THRUWAY AUTHORITY
B. D. TALLAMY, Chairman
By: C. H. LANG
Deputy Chief Engineer

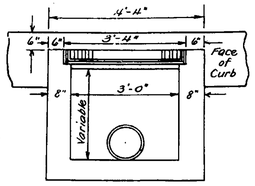
Prepared pursuant to the Highway Law and recommended by
Engineer District No. 3

COUNTY			SHEET No.	TOTAL SHEETS
ONONDAGA			2	66

N.Y. STATE THRUWAY, ONTARIO SECTION - SUB. DIV 8A
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)
N.Y. STATE THRUWAY, MOHAWK SECTION - SUB. DIV. 8B
INTERCHANGE AT THOMPSON ROAD



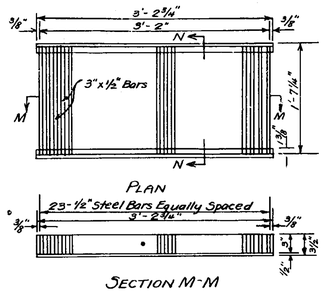
SECTION THRU CENTER OF DROP INLET



LONGITUDINAL SECTION THRU CENTER OF GRATE

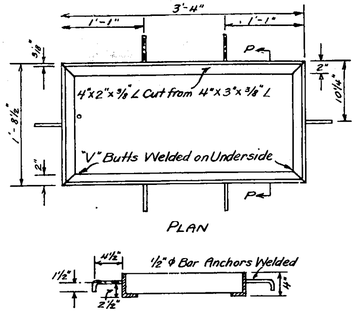
SPECIAL DROP INLET

Scale ½" = 1'-0"



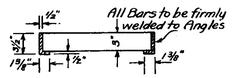
PLAN

SECTION M-M



PLAN

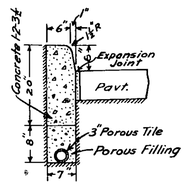
SECTION P-P



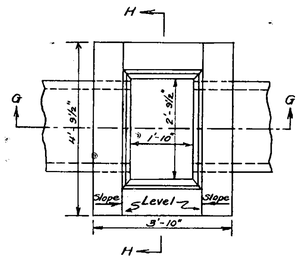
SECTION N-N

DETAILS FOR SPECIAL STEEL GRATING AND FRAME

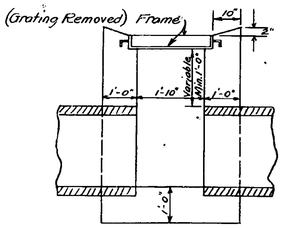
Scale 1" = 1'-0"



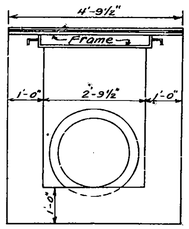
CONCRETE CURB TYPE K



PLAN



SECTION G-G

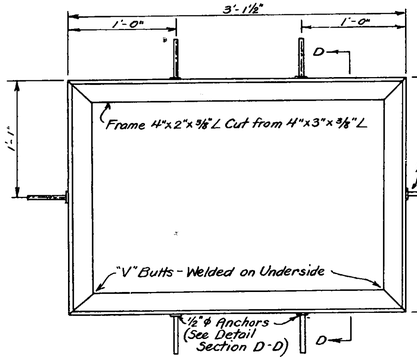


SECTION H-H

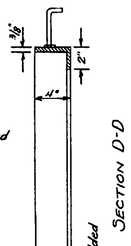
THRUWAY DROP INLET DETAILS

(For Pipe Sizes to 24" Diameter)

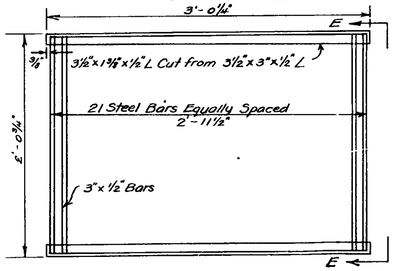
Scale: ½" = 1'-0"



PLAN OF FRAME

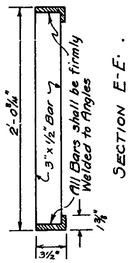


SECTION D-D



PLAN OF GRATING

Scale 3" = 1'-0"



SECTION E-E

DETAILS FOR TYPE "T" INLET FRAME AND GRATING

Scale 3" = 1'-0"

BENCH MARKS

STATION	DESCRIPTION	ELEV.
Electronics Park Interchange		
2250+93	N.E. Wing - N.W. Cor. East Abutment	423.22
2262+50	S.E. Cor. - Rt. Head Wall - South Lane (Thruway)	436.20
2270+00	N.W. Cor. Drop Inlet in Mall (Thruway)	448.98
2251+50	12" Willow - 100 ft. Left (B.M. #264)	408.73
Thompson Road Interchange		
2504+60	N.E. Cor. D.I. on Right (Thruway)	411.71
2512+05	60" Elm - 130 ft. Right (BM #293)	419.44
2534+20	N.E. Cor. D.I. in Mall (Thruway)	423.20
2549+60	S.W. Cor. Rt. Head Wall - North Lane (Thruway)	413.66
B17+00	40" Elm on Left	421.23
B38+90	Spikes in pole on left	405.00
C4+50	Barton's Corners	413.14
22+80	At Intersection Kinne & Court Streets	409.71
2551+50	30" Ash on Left (B.M. #297)	410.87
49+59	Pole on Left - Kinne St.	413.96

EARTHWORK

STATION - STATION	CUT IN CU. YDS.	FILL IN CU. YDS.	BAL	BORROW IN CU. YDS.	SURPLUS IN CU. YDS.
Seventh North Street Extension					
3+53 - 9+60	2139	1726	1.24		
9+60 - 20+78	19576	32			19540
Interchange - Electronics Parkway					
B0+35 - B18+90	21317	11159			8484
B20+27 - B31+14	12210	23966		15351	
B31+14 - B50+82	34330	383			33889
C 0+00 - C9+50	19701	0			19701
C9+50 - C26+55	3568	2674	1.33		
D0+00 - D27+27	5329	10372		6599	
E 0+00 - E23+13	14996	779			14100
Thompson Road Bridge Approaches					
Traffic Circle - B24+13	3928	20853		20594	
B25+55 - B42+36	3499	20762		20859	
Interchange - Thompson Road					
Traffic Circle - A21+85	13441	18446		20056	
A 23+19 - A38+02	1110	25750		28655	
A38+02 - A53+11	1527	1162	1.31		
F 0+00 - F19+46	1997	4790		3787	
E 0+00 - E24+33	1881	10244		10181	
D 0+00 - D21+50	2759	860			1770
Kinne Street Bridge Approaches					
22+32 - 33+91	158	37590		48092	
35+49 - 46+33	339	33000		37658	
College Place	2831	182			2623
TOTALS	154536	224750		206832	100107

Net Surplus = 79,764 C.Y.
Net Borrow = 130,489 C.Y.

CULVERT MATERIALS

STATION	DESCRIPTION	R.C. Culvert Pipe 15"	18"	24"	30"	Reinf. Bars ⅝" ø Net L.F.	Misc. Net Lbs.
Electronics Park Interchange Roadways							
B0+90	60 ft. of 24" R.C. Culvert Pipe with 2 D.I's			60			750
C0+38 Ed.	44 ft. of 15" " " " " " Spec. D.I.	44					310
B11+80 ℄	136 ft. of 15" " " " " " " D.I.	136					375
B18+25 ℄	72 ft. of 30" " " " " "				72		
B20+95 ℄	120 ft. of 30" " " " " "				120		
E6+40 Ed.	48 ft. of 24" " " " " "			48			
B33+40 Ed.	48 ft. of 18" " " " " "		48				
B47+00 Ed.	16 ft. of 24" " " " " "			16			
D10+50 Ed.	80 ft. of 24" " " " " "			80			
2257+00 (Thru. Sta) "C13+75 Ed	Build D.I. - So. Ditch						375
B0+24 Lt.	44 ft. of 15" " " " " " with D.I.	44					310
B0+96 Rt.	Build D.I.						310
Seventh North Street Extension							
18+75	72 ft. of 24" R.C. Culvert Pipe			72		40	
Approaches For Bridge at Thompson Road							
B34+00 - 11+30	60 ft. of 18" R.C. Culvert Pipe Ditch X-ing		60				
B38+10	60 ft. of 18" " " " " "		60				
B38+58 ℄	88 ft. of 24" " " " " "			88			
Thompson Road Interchange							
A20+80 ℄	112 ft. of 24" " " " " "			112			
A32+70 Ed.	16 ft. of 30" " " " " "				16		
D5+40 Ed.	44 ft. of 24" " " " " "			44			
E44+40 Ed.	88 ft. of 24" " " " " "			88			
F6+78 Ed.	8 ft. of 24" " " " " " with D.I			8			375
F6+78 Ed. to F7+78 Ed.	100 ft. of 24" " " " " "			100			
Approaches For Bridge at Kinne Street							
23+06	56 ft. of 24" R.C. Culvert Pipe			56			
36+10	124 ft. of 30" " " " " "				124		
39+30	108 ft. of 18" " " " " "		108				
43+03	76 ft. of 18" " " " " "		76				
44+60 - 37 Lt. 24 ø 18 ø	56 ft. of 18" " " " " " - Ditch X-ing		56				
	TOTAL	224	444	772	332	40	2805

BEAM TYPE GUIDE RAILING

STATION TO STATION	SIDE	LIN. FT.
Electronics Park		
B16+40 to B18+40	L & R	400
B20+78 to B25+48	L & R	940
Approaches - Thompson Road Bridge		
19+29 to 23+59	R	430
19+30 to 23+70	L	440
25+98 to 29+78	R	380
26+09 to 29+79	L	370
Thompson Road Interchange Roadways		
18+47 to 21+37	L	290
18+67 to 21+37	R	270
23+67 to 28+17	R	450
23+67 to 28+67	L	500
Approaches - Kinne Street Bridge		
26+43 to 33+43	R	700
26+43 to 33+43	L	700
35+96 to 42+06	R	610
35+96 to 42+06	L	610
TOTAL		7090

EARTHWORK SUMMARY

Item 2B - Unclassified Excavation	Cu. Yds.
Roadways as per Earthwork Sheets	154 536
Net Borrow " " " " "	180 489
From Drainage Sheets	436
Stripping Topsoil - Electronics Parkway Interchange	153
" " " " " - Thompson Road Approaches	1200
" " " " " - Thompson Road Inter. Roadways	4900
Replacing Topsoil	7015
Intersection - Extension of Seventh North Street	150
Total Item 2B	348 879
Estimate - Item 2B	351 000
" " " - Item 5	4 590

Prepared pursuant to the Highway Law and recommended by

Engineer District No. 3

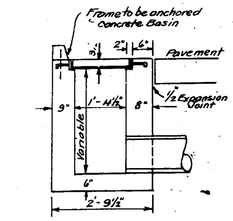
4/1/53

Made By W. H. | Checked By Wm F Hofmann | Traced By J.E. Holmes | Checked By Wm F Hofmann

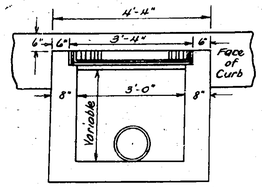
COUNTY			SHEET No.	TOTAL SHEETS
ONONDAGA			2	66

N.Y. STATE THRUWAY, ONTARIO SECTION - SUB. DIV. 8A
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)
N.Y. STATE THRUWAY, MOHAWK SECTION - SUB. DIV. 8B
INTERCHANGE AT THOMPSON ROAD

2R



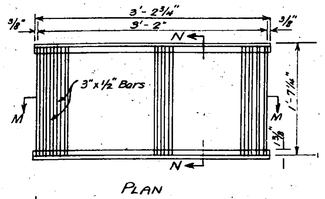
SECTION THRU CENTER OF DROP INLET

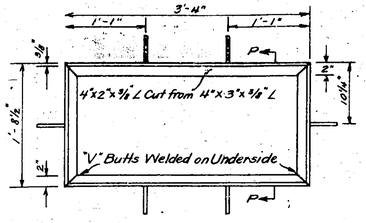


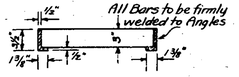
LONGITUDINAL SECTION THRU CENTER OF GRATE

SPECIAL DROP INLET

Scale ½" = 1'-0"

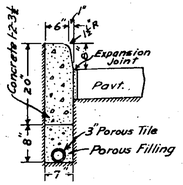




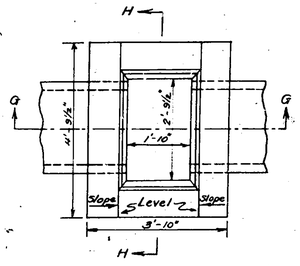


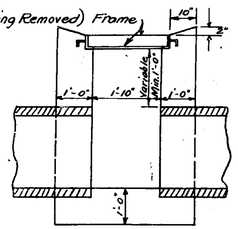
DETAILS FOR SPECIAL STEEL GRATING AND FRAME

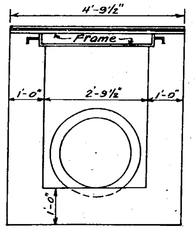
Scale 1" = 1'-0"



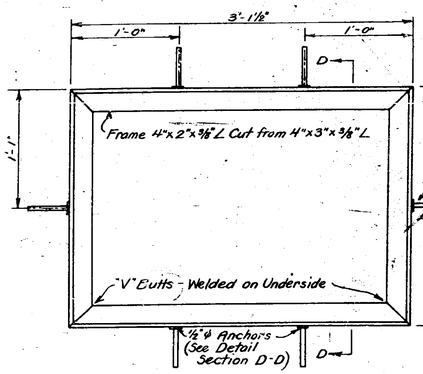
CONCRETE CURB TYPE K

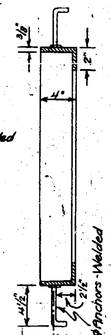


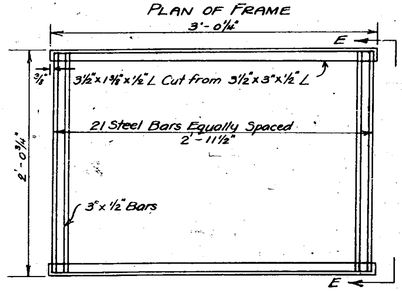


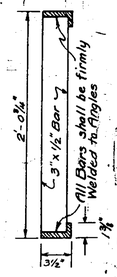


THRUWAY DROP INLET DETAILS
(For Pipe Sizes to 24" Diameter)
Scale: ½" = 1'-0"









DETAILS FOR TYPE "T" INLET FRAME AND GRATING

Scale 3"=1'-0"

BENCH MARKS (also lower right)

STATION	DESCRIPTION	ELEV.
Electronics Park Interchange		
√2250+93	N.E. Wing - N.W. Cor. East Abutment	423.22
√2262+50	S.E. Cor. Rt. Head Wall - South Lane (Thruway)	436.20
√2270+00	N.W. Cor. Drop Inlet in Mall (Thruway)	448.98
~~2251+50~~	~~12" Willow 100 ft. Left (B.M.#264)~~	~~408.10~~
Thompson Road Interchange		
~~2504+60~~	~~N.E. Cor. D.I. on Right (Thruway)~~	~~411.71~~
√2512+05	60" Elm - 130 ft. Right (BM#293)	419.44
√2534+20	N.E. Cor. D.I. in Mall (Thruway)	423.20
~~2549+60~~	~~S.W. Cor. Rt. Head Wall - North Lane (Thruway)~~	~~413.66~~
~~B17+00~~	~~40" Elm on Left~~	~~421.29~~
~~B38+90~~	~~Spikes in pole on left~~	~~415.00~~
~~C4+60~~	~~Barton's Corners~~	~~413.14~~
~~22+80~~	~~At Intersection Kinne & Court Streets~~	~~409.71~~
√2551+50	30" Ash on Left (B.M.#297)	418.87
√ 49+59	Pole on Left - Kinne St.	413.96

EARTHWORK

STATION - STATION	CUT IN CU. YDS.	FILL IN CU. YDS.	BAL	BORROW IN CU. YDS.	SURPLUS IN CU. YDS.
Seventh North Street Extension					
3+53 - 9+60	2139	1726	1.24		
9+60 - 20+78	19576	32			19540
Interchange - Electronics Parkway					
B0+35 - B18+90	21317	11159			8481
B20+27 - B31+14	12210	23966		15351	
B31+14 - B50+82	31330	383			33889
C 0+00 - C 9+50	19701	0			19701
C 9+50 - C 26+55	3368	2474	1.33		
D 0+00 - D 27+27	5329	10372		6599	
E 0+00 - E 23+13	14996	779			14100
Thompson Road Bridge Approaches					
Traffic Circle - B24+13	3928	20853		20594	
B25+55 - B42+36	34199	20762		20859	
Interchange - Thompson Road					
Traffic Circle - A21+85	13141	18446		20056	
A 23+19 - A 38+02	1110	25750		28655	
A 38+02 - A 53+41	1527	1142	1.31		
F 0+00 - F 19+46	1997	4790		3787	
E 0+00 - E 24+33	1881	10244		10181	
D 0+00 - D 21+50	2759	860			1770
Kinne Street Bridge Approaches					
22+32 - 33+91	158	37590		48092	
35+49 - 46+33	339	33000		37658	
College Place	2831	182			2623
TOTALS	157536	224750		206832	100787

Net Borrow = 180,489 C.Y.
Net Surplus = 73,744 C.Y.

CULVERT MATERIALS — TOTAL LENGTH

STATION	DESCRIPTION	R.C. Culvert Pipe 15"	18"	24"	30"	Reinf. Bars ⅝"ø L.F.	Misc. Met. Lbs.
Electronics Park Interchange Roadways							
B0+90	264 ft. of 24" R.C. Culvert Pipe with 2 D.I.'s			264			750
√C0+38 Ed.	44 ft. of 15" " " " " Spec. D.I.	44					310
√B11+80 Ed.	136 ft. of 15" " " " " D.I.	136					375
B18+25 Ed.	116 ft. of 30" " " " "				~~116~~		
√B20+95 Ed.	120 ft. of 30" " " " "				120		
√E6+40 Ed.	48 ft. of 24" " " " "			48			
√B33+40 Ed.	48 ft. of 18" " " " "		48				
√B47+00 Ed.	16 ft. of 24" " " " "			16			
√D10+50 Ed.	80 ft. of 24" " " " "			80			
2257+00 (Thru Site)							
√C13+75 Ed.	Build D.I. - So. Ditch						375
√B0+24 Lt.	44 ft. of 15" " " " " with D.I.	44					310
√B0+96 Rt.	Build D.I.						310
Seventh North Street Extension							
18+75	72 ft. of 24" R.C. culvert Pipe with 2 D.I.'s.			72		40	
Approaches For Bridge at Thompson Road							
√B34+00 - L1130	60 ft. of 18" R.C. Culvert Pipe Ditch X-ing		60				
√B38+10	60 ft. of 18" " " " " "		60				
√B38+58 Rt.	88 ft. of 24" " " " " "			88			
Thompson Road Interchange							
A20+80 Ed.	116 ft. of 24" " " " "			116			
A32+70 Ed.	76 ft. of 30" " " " "				76		
√D5+40 Ed.	44 ft. of 24" " " " "			44			
E4+40 Ed.	84 ft. of 24" " " " "			84			
F6+78 Ed.	68 ft. of 24" " " " "			68			375
F6+78 Ed. alt.	F 7+78 Ed. 100'-24" RCPC			100			
F10+06 Ed.	24 ft. of 24" " " " "			24			
Approaches For Bridge at Kinne Street							
23+06	52 ft. of 24" R.C. Culvert Pipe			52			
√36+10	124 ft. of 30" " " " "				124		
√39+30	108 ft. of 18" " " " "		108				
√43+03	76 ft. of 18" " " " "		76				
√44+60 - 37 Lt.	36 ft. of 18" " " " " - Ditch X-ing		36				
54+96 - 32 Rt.	44 ft. of 18" " " " "		44				
	TOTAL	224	~~448~~ 1056	436	~~240~~	2805	

BEAM TYPE GUIDE RAILING

STATION TO STATION	SIDE	LIN. FT.
Electronics Park		
B16+40 to B18+40	L & R	400
B20+78 to B25+48	L & R	940
Approaches - Thompson Road Bridge		
19+29 to 23+59	R	430
19+30 to 23+70	L	440
25+98 to 29+78	R	380
26+09 to 29+79	L	370
Thompson Road Interchange Roadways		
~~18+47~~ to 21+37	L	290
18+47 to 21+37	R	270
23+47 to 28+17	R	450
23+47 to 28+67	L	500
Approaches - Kinne Street Bridge		
26+43 to 33+43	R	700
26+43 to 33+43	L	700
35+96 to 42+06	R	610
35+96 to 42+06	L	610
TOTAL		7090

EARTHWORK SUMMARY

Item 2B - Unclassified Excavation	Cu. Yds.
Roadways as per Earthwork Sheets	154 536
Net Borrow " " "	180 489
From Drainage Sheets	496
Stripping Topsoil - Electronics Parkway Interchange	153
" " " " " - Thompson Road Approaches	1200
" " " " - Thompson Road Inter. Roadways	4900
Replacing Topsoil	7015
Intersection - Extension of Seventh North Street	150
Total Item 2 B	348 879
Estimate - Item 2 B	351 000
" " - Item 5	4 590

BENCH MARKS

STATION	DESCRIPTION	ELEV.
Elect. Pk'way Inter.		
'B' 0+00	40' Lt. No. End Curb	412.42
'B' 18+45	S.E. Cor. S.E. Wingwall	445.25
'B' 20+73	N.W. Cor. N.W. "	461.07
'B' 20+95	S.E. Cor. H.W.	444.24
'B' 33+40	N.W. Cor. H.W. on Rt.	452.90
2284+00	S.E. Cor. D.I. Mall	453.03
'C' 2+00	N.W. Cor. H.W. on Lt.	438.22
'E' 6+40	S.W. Cor. H.W. on Lt.	448.00
'D' 10+50	S.W. Cor. H.W. on Rt.	446.87
Thompson Road Inter.		
'A' 10+20	No. End Curb at Island &	431.36
'A' 13+25	S.E. Cor. Bumper Block 20' Rt. &	427.26
'A' 22+00	Lt. H.W. ~ S.W. Cor.	423.42
'A' 32+60	Rt. H.W. ~ S.W. Cor.	419.45
'D' 5+40	Rt. H.W. ~ N.W. Cor.	423.16
'E' 1+60	Lt. H.W. ~ N.E. Cor.	423.95

BENCH MARKS

STATION	DESCRIPTION	ELEV.
Kinne St.		
23+10	Lt. H.W. N.W. Cor.	409.29
33+50	S.E. Cor. S.E. Wingwall Bridge	434.69
43+00	Lt. H.W. S.E. Cor.	412.52
Seventh North St.		
7+50	36" Elm 60' Lt.	453.58
33+60	No. End Curb ~ Island & Hopkins Rd	414.74
Thompson Road		
'B' 16+00	R.O.W. Marker on Lt.	422.46
'B' 26+11	N.W. Cor. N.W. Wingwall	434.86
'B' 40+00	40' Lt. West Flange Nut Hydrant	407.34
College Place		
15+29	R.O.W. Marker 78' N.W.	436.86
26+89	200' Rt. N.E. Cor. H.W.	400.13

CULVERT MATERIALS

STATION	DESCRIPTION	TOTAL LENGTH R.C.P.C. 15	18	24	30	48
Elect. Pk'way. Inter.						
'B' 5+40	60 Ft. R.C.P.C. with 4 M.H.'s (Toll Area)					60
'B' 5+55	72 ft. R.C.P.C. with 3 D.I.'s & U-H.W. on Rt.		72			
'B' 26+50	104 ft. R.C.P.C. with H.W. on Lt. & U-H.W. on Rt.			104		
2262+50	8 ft. R.C.P.C. Ext. on Lt. with H.W. & Collar				8	
2270+00	Built 'L' Shape on Exist. H.W. on Rt.					
Thompson Road Inter.						
'A' 12+85	86' R.C.P.C. w. M.H.'s & 6 M.H.'s (Toll Area)					86
'A' 19+00	80' R.C.P.C. w. 4 D.I.'s & H.W. on Rt.		80			
2508+50	100' R.C.P.C.				100	

Prepared pursuant to the Highway Law and recommended by

Engineer District No. 3

4/1/53

Made By W.H.

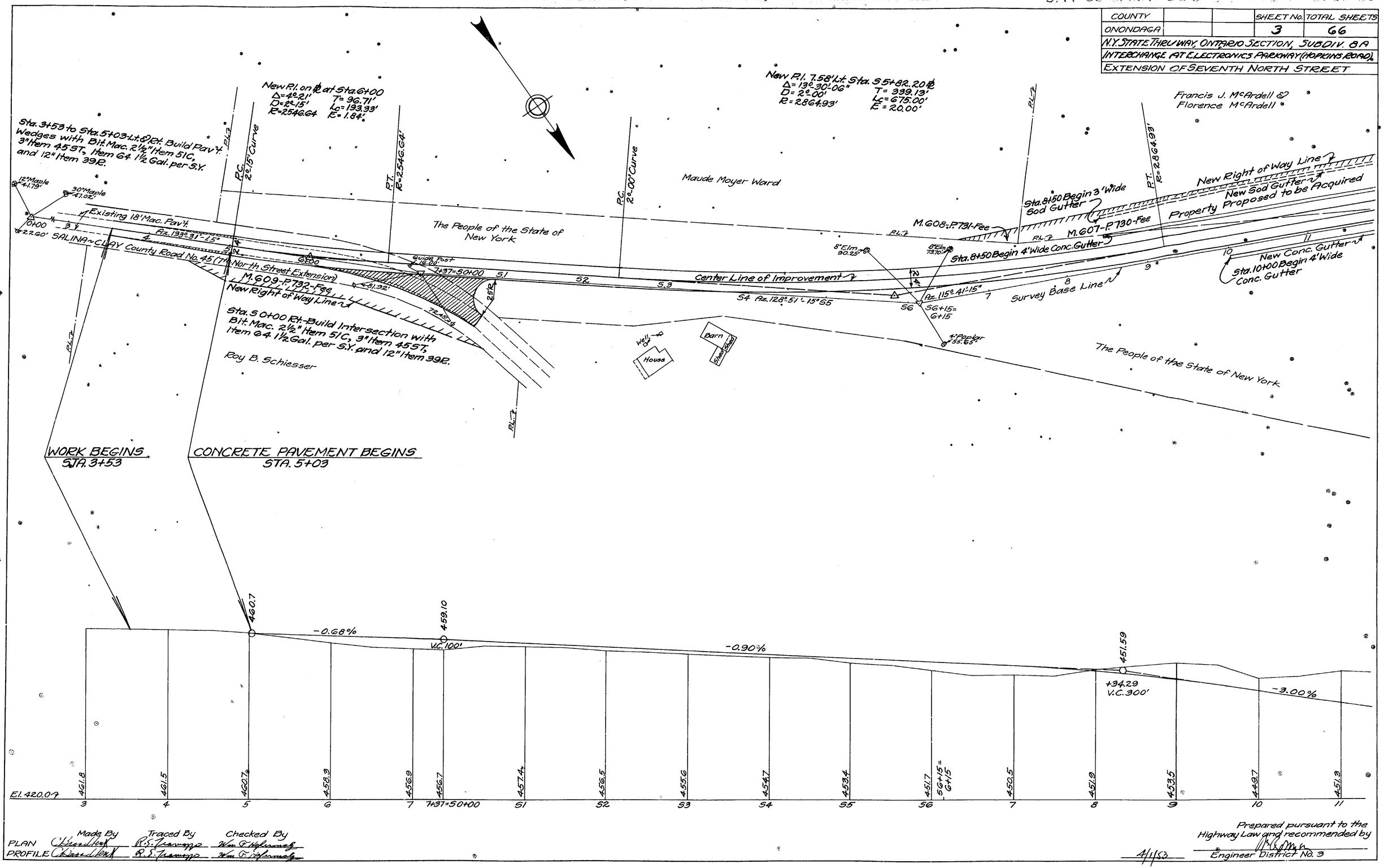
Checked By Wm F. Hofmann

Traced By J.C. Holmes

Checked By Wm F. Hofmann

COUNTY			SHEET No.	TOTAL SHEETS
ONONDAGA			3	66

N.Y. STATE THRUWAY, ONTARIO SECTION, SUBDIV. 8A
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)
EXTENSION OF SEVENTH NORTH STREET



	Made By	Traced By	Checked By
PLAN	C. Brandhorst	R.S. Travaglia	Wm. F. Hyland
PROFILE	C. Brandhorst	R.S. Travaglia	Wm. F. Hyland

4/1/53

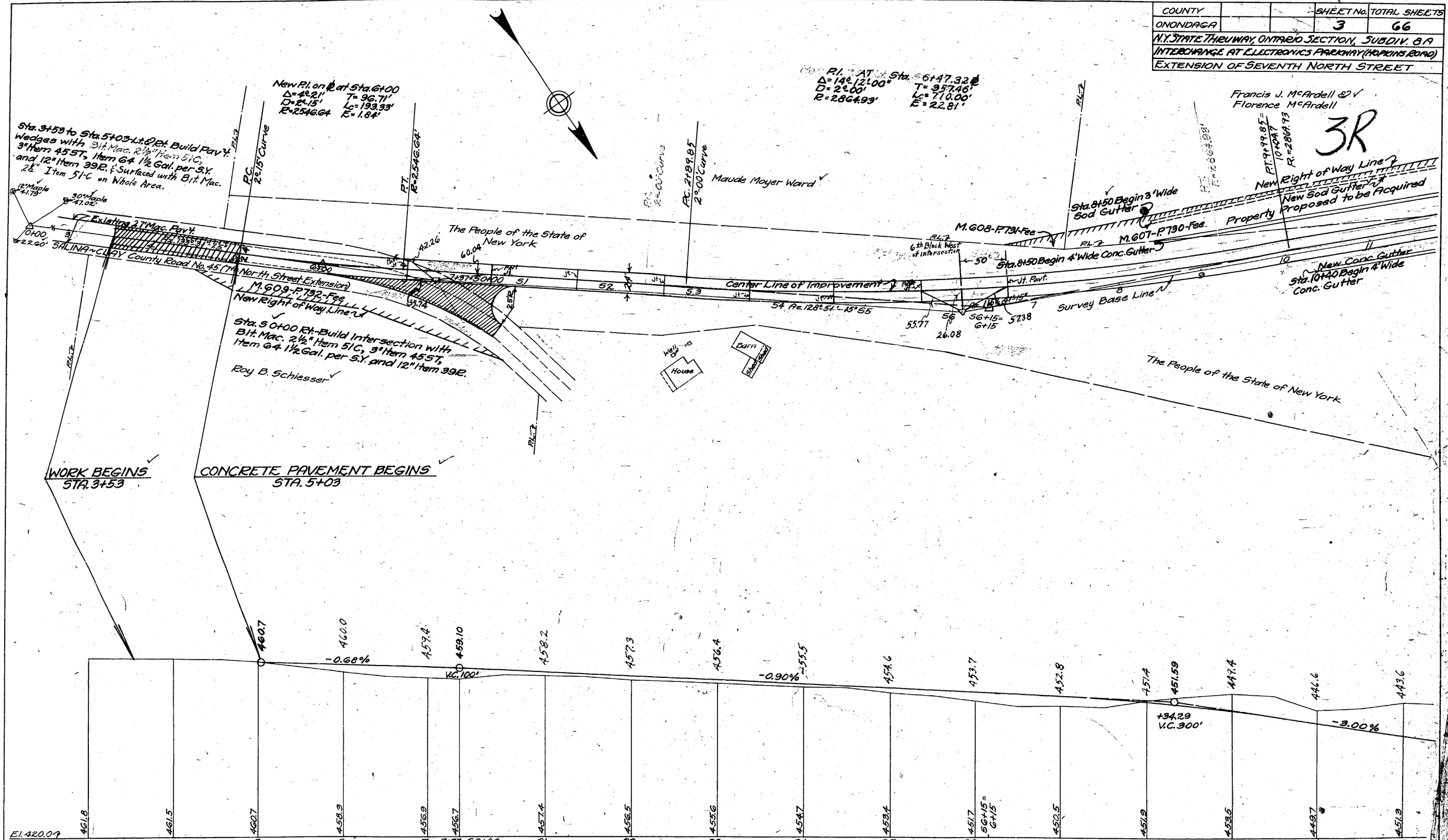
Prepared pursuant to the Highway Law and recommended by

Engineer District No. 3

O.T. 53-[illegible] M.T. 53-8 S.T. 53-[illegible] P.C. 53-36

COUNTY			SHEET No.	TOTAL SHEETS
ONONDAGA			3	66

N.Y. STATE THRUWAY, ONTARIO SECTION, SUBDIV. 8A
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)
EXTENSION OF SEVENTH NORTH STREET



Made By / Traced By / Checked By

PLAN Chas. Clark / R.S. Iannaccone / Wm. F. Hofmann

PROFILE Chas. Clark / R.S. Iannaccone / Wm. F. Hofmann

Prepared pursuant to the Highway Law and recommended by

4/1/53

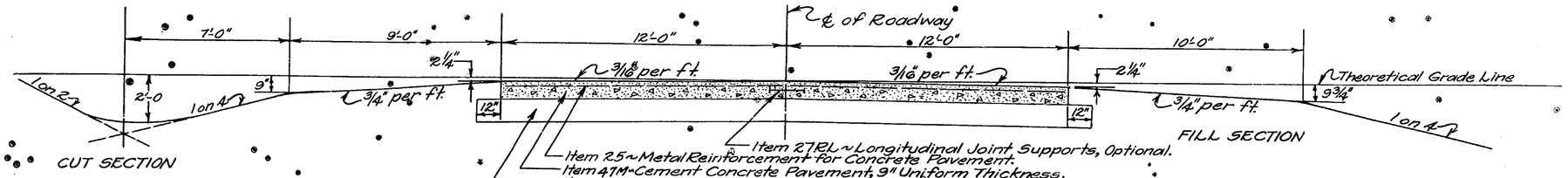
Engineer District No. 3

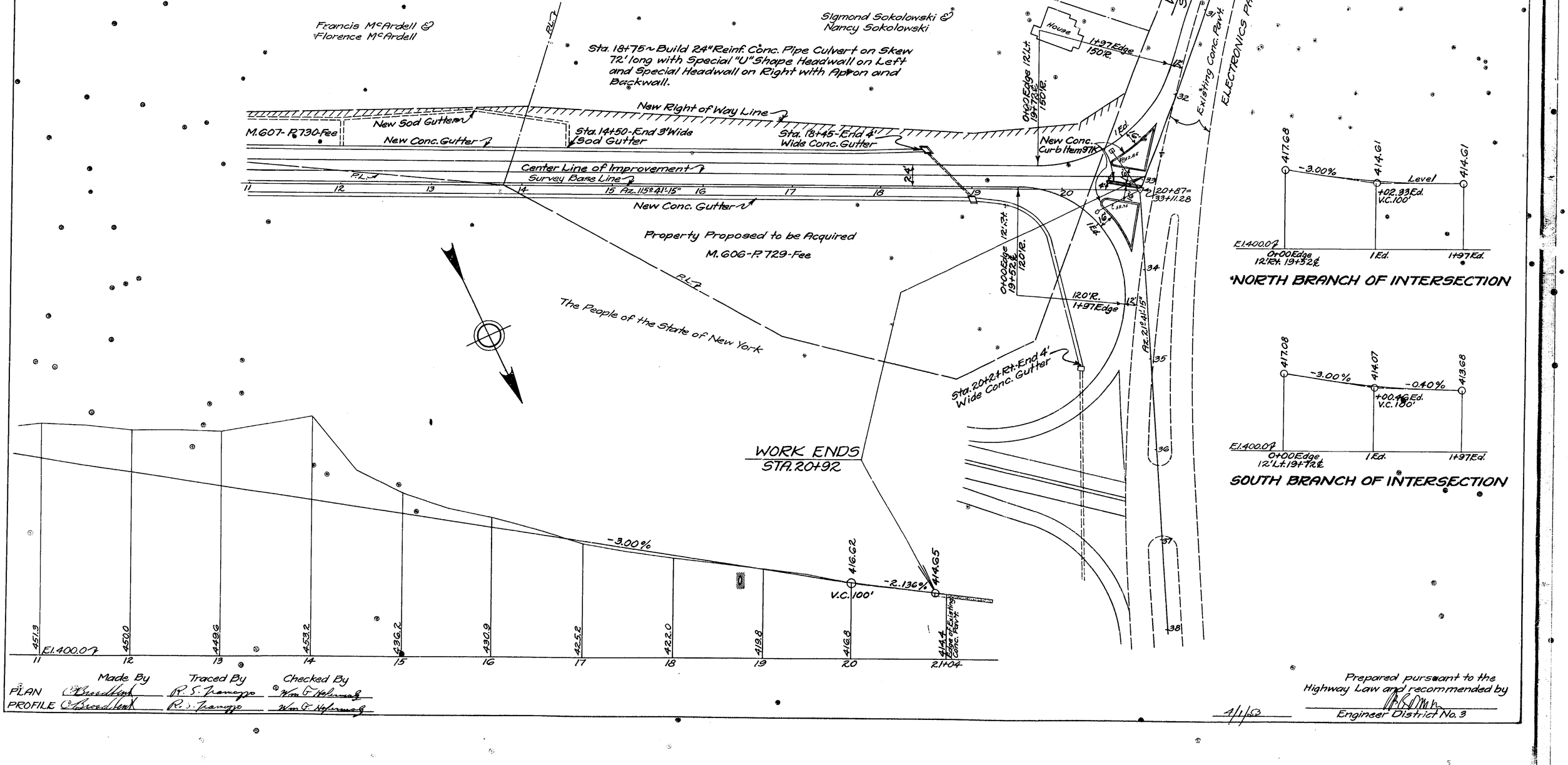
COUNTY			SHEET No.	TOTAL SHEETS
ONONDAGA			4	66

N.Y. STATE THRUWAY, ONTARIO SECTION, SUBDIV. 8A
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)
EXTENSION OF SEVENTH NORTH STREET

TYPICAL SECTION

Scale: 3/8"=1'-0"





*NORTH BRANCH OF INTERSECTION

SOUTH BRANCH OF INTERSECTION

	Made By	Traced By	Checked By
PLAN	Broadbent	R. S. Tramuppo	Wm. F. Hofmann
PROFILE	Broadbent	R. S. Tramuppo	Wm. F. Hofmann

4/1/52

Prepared pursuant to the Highway Law and recommended by

Engineer District No. 3

O.T. 53 CONT. 53-3 S.T. 53 P.C. 53-36

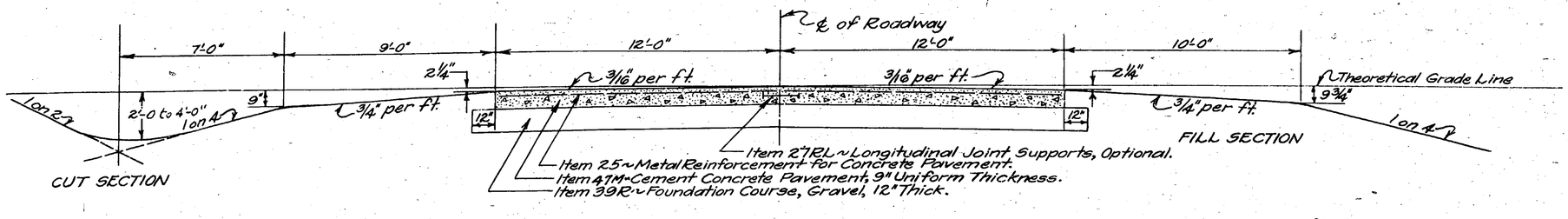
COUNTY			SHEET No.	TOTAL SHEETS
ONONDAGA			4	66

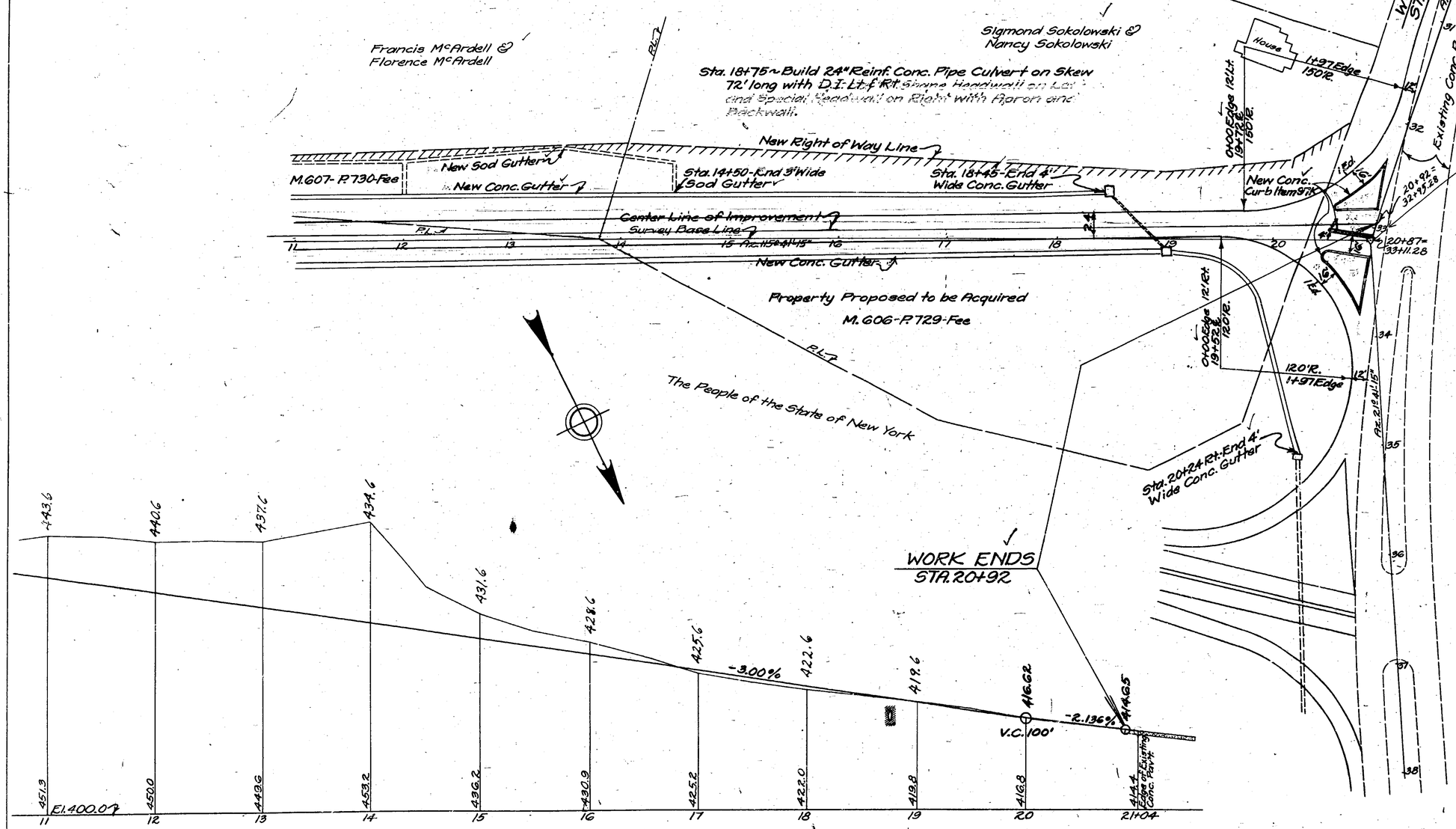
N.Y. STATE THRUWAY, ONTARIO SECTION, SUBDIV. 8A
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)
EXTENSION OF SEVENTH NORTH STREET

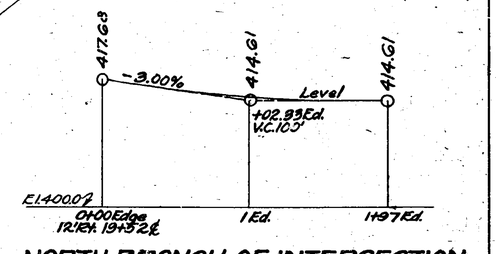
4R

TYPICAL SECTION

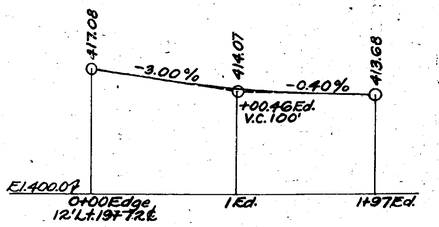
Scale: 3/8"=1'-0"







NORTH BRANCH OF INTERSECTION



SOUTH BRANCH OF INTERSECTION

	Made By	Traced By	Checked By
PLAN	C. Brandstadt	R. S. Tramazzo	Wm. G. Hofmann
PROFILE	C. Brandstadt	R. S. Tramazzo	Wm. G. Hofmann

Prepared pursuant to the Highway Law and recommended by

Engineer District No. 3

4/1/52

24:1

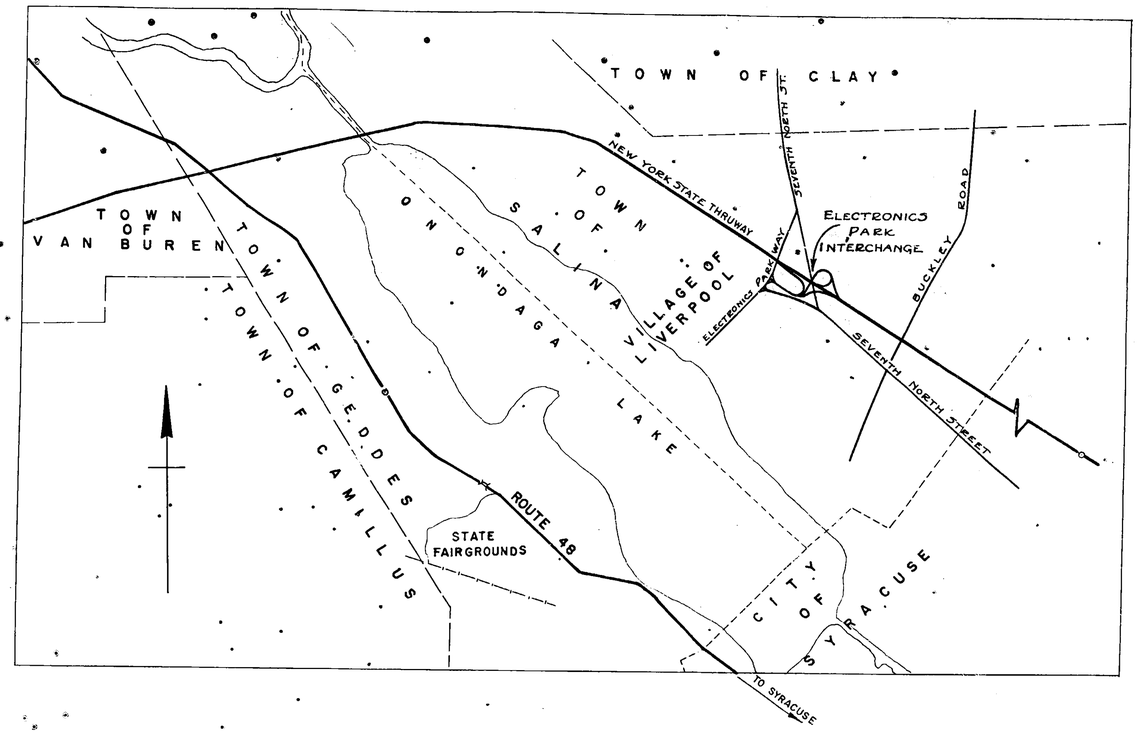
D.T. 32 S.M.T. 5

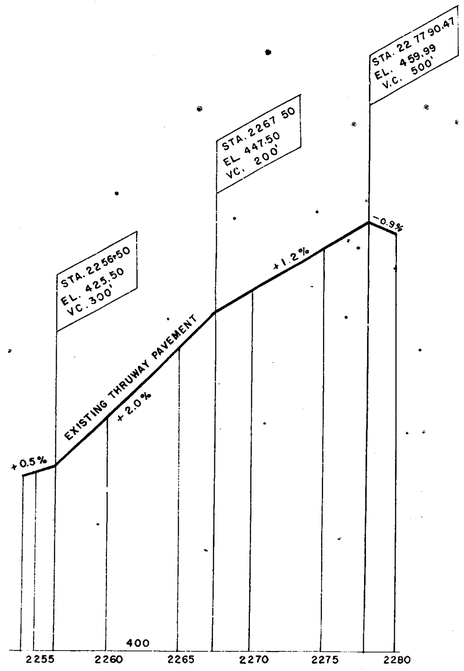
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			5	66

N.Y. STATE THRUWAY ONTARIO SECTION

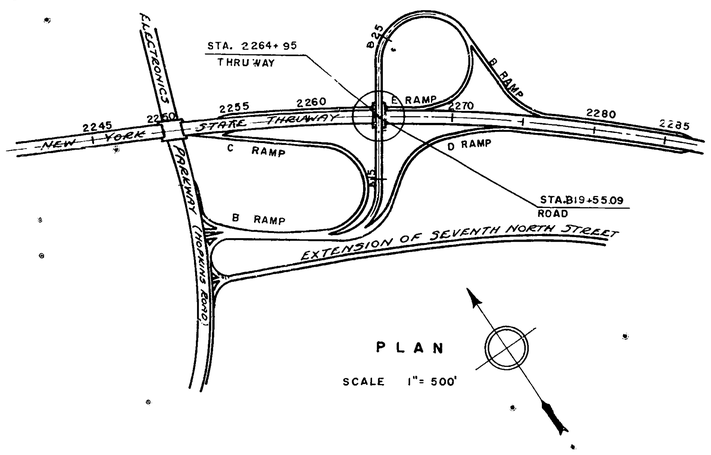
N.Y. STATE THRUWAY, ONTARIO SECTION, SUB DIV. 8A

INTERCHANGE AT ELECTRONICS PARKWAY, (HOPKINS ROAD)



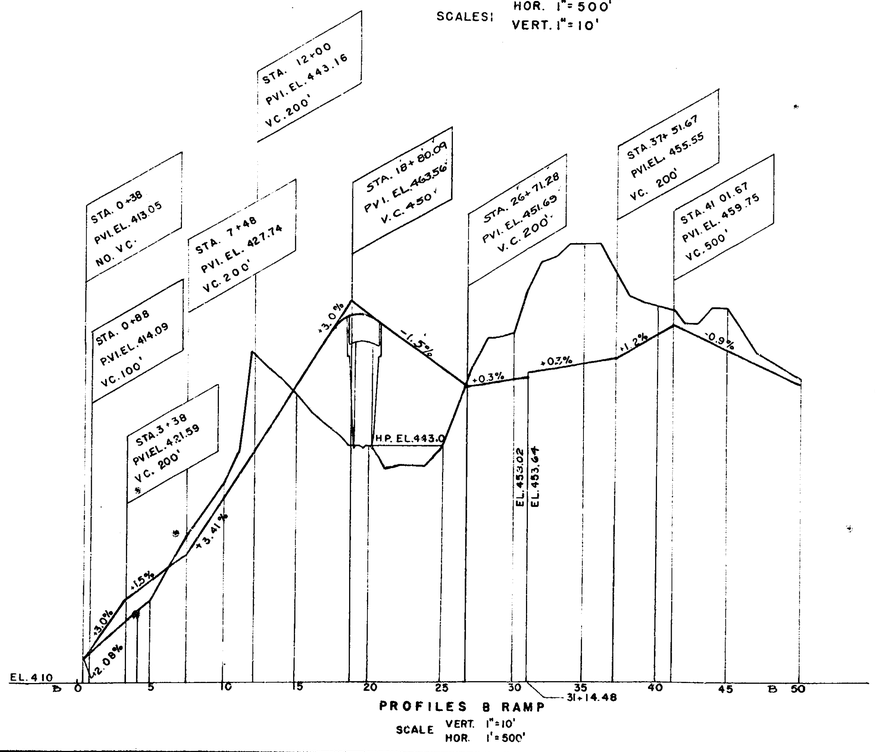


PROFILE ON THRUWAY
THEORETICAL GRADE
SCALES: HOR. 1"=500'
VERT. 1"=10'



PLAN

SCALE 1"= 500'



PROFILES B RAMP

SCALE VERT. 1"=10'
HOR. 1"=500'

DEPARTMENT OF PUBLIC WORKS

RECOMMENDED Joseph C. Federick Feb. 26, 1953
JOSEPH C. FEDERICK, ASST. DISTRICT ENGINEER — DATE

APPROVED E.T. Gawkins 3/4/53
E.T. GAWKINS, DEPUTY CHIEF ENGINEER — DATE

E.W. Wendell MAR 5 1953
E.W. WENDELL, DEPUTY CHIEF ENGINEER — DATE

J.B. McMorran 3/2/53
J.B. MC MORRAN, CHIEF ENGINEER — DATE

APPROVED March 7th 1953
NEW YORK STATE THRUWAY AUTHORITY

B.D. TALLAMY, CHAIRMAN

BY C.H. LANG
DEPUTY CHIEF ENGINEER

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFFESSIONAL ENGINEERS LISCENSE NO. 5667

DATE Feb 16 53

PRELIMINARY LAYOUT

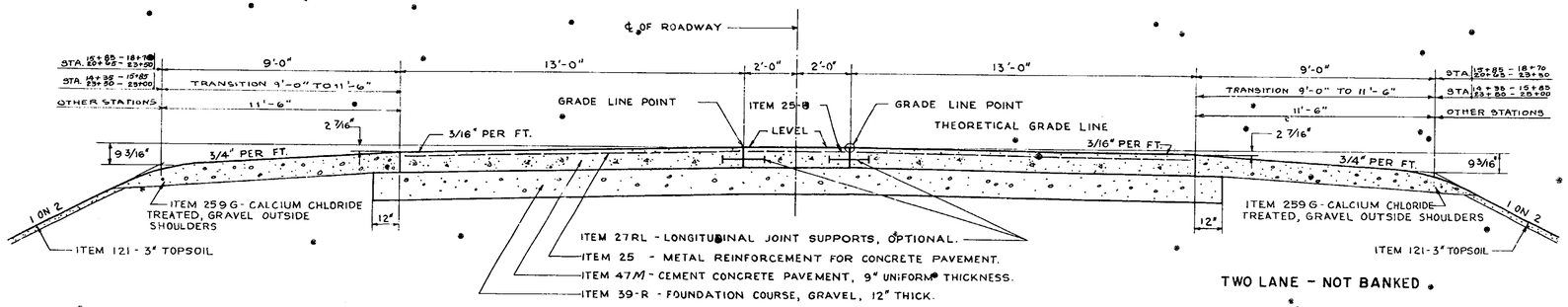
NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

SHEET ~~1 OF 7~~

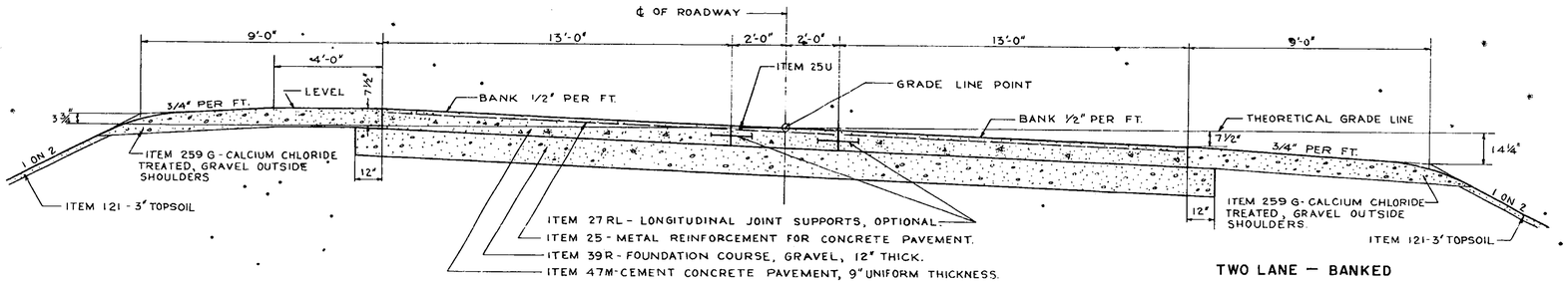
24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			6	66
N.Y. STATE THRUWAY - ONTARIO SECTION SUBDIV 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				

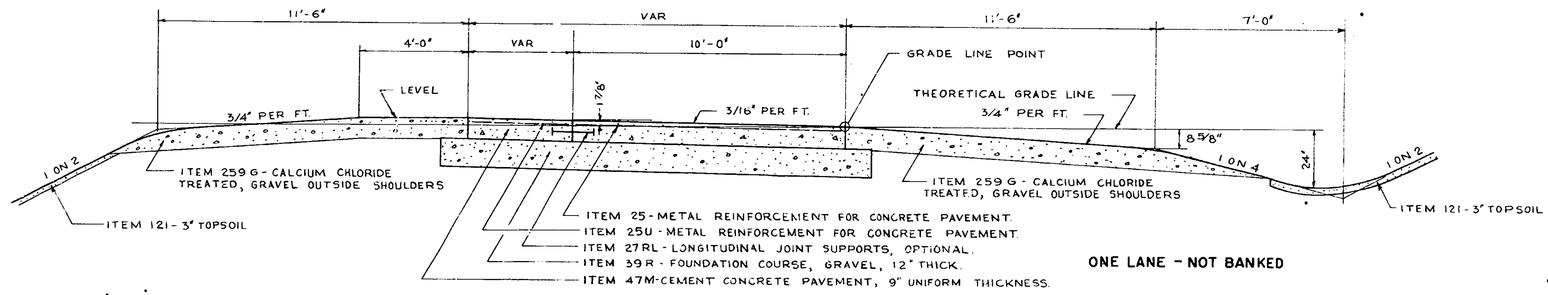
TYPICAL SECTIONS
INTERCHANGE AT HOPKINS ROAD



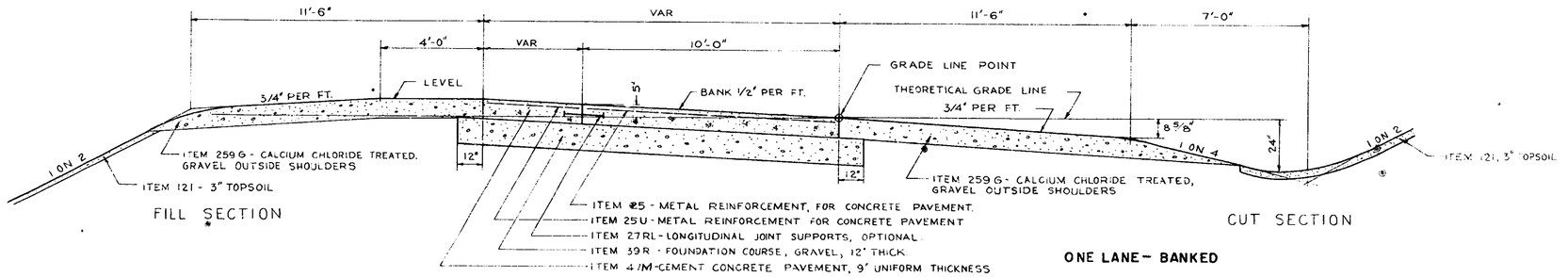
TWO LANE - NOT BANKED



TWO LANE — BANKED



ONE LANE - NOT BANKED



FILL SECTION

CUT SECTION

ONE LANE - BANKED

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

DATE May 6-53

TYPICAL ROAD SECTIONS
NEW YORK STATE THRUWAY AND HOPKINS ROAD
TRAFFIC INTERCHANGE

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			7	66

N.Y. STATE THRUWAY, ONTARIO SECTION, SUB DIV. 8A
INTERCHANGE AT ELECTRONICS PARKWAY, (HOPKINS ROAD)

ELECTRONICS PARKWAY (HOPKINS ROAD)

Work Begins E 23+12.76 THR. 2251+87

ONONDAGA COUNTY

THRUWAY 2250+52
ROAD 43+60.6

THRUWAY BOUNDARY

THE PEOPLE OF THE STATE OF NEW YORK

2245 THRUWAY BASE LINE

2250

Az. 120°-41'-15"

2255

20

12'

36'

GRATE EL. 425.0

14'

STA. 2257+00
REMOVE H.W. & 4' OF EXIST. 36" RCP. & THEN BUILD D.I.

24" C 15

THRUWAY BOUNDARY

C 26.55
THR. 2244.52

Work Ends Sta. 42+65.

Az 21°-41'-15"

C 15.60

Work Begins C 15+45.91
THR 2252+40.91

REMOVE CURB
Mort Conc. Curb from 97K.

8°-10'-50'

2000

2050

ONONDAGA COUNTY
M 595 ~ P 717

PL.

FRED MERRILL & IDA L. MERRILL
M 596 ~ P 718

CONNECT EXIST. STORM SEWER WITH 24' OF 24" RCP.

12'

R = 150'

PL.

THE PEOPLE OF THE STATE OF NEW YORK

B4+85 PAVT. WIDTH 44'

B6+75 PAVT. WIDTH 44'

MATCH-LINE THRUWAY STA. 2259+00

Exist. 24" RCP Storm sewer.

STA. 0+24 - 86' LT. BUILD D.I. & 44' of 15" RCP.

STA. 0+30 - BUILD 240' of 24" RCP CULVERT WITH D.I.s ON BOTH ENDS. RELAY 204' FROM ST. 1. 0+70

BUILD D.I. IN CULVERT LINE

STA. 0+70 - REMOVE EXIST. 24" RCP - 212' & RELAY TO STA. 0+90. REMOVE EXIST. D.I.s.

SCALE: 1" = 100'

STA 36+65
B STA. 0+00
STA. B 0+38

Item 97K

15'

83'

Az 128°-34'-35"

16'

Concrete Pavement is to be omitted

PL.

R = 150'
R = 120'

M 606 ~ P 729
SIGMUND SOKOWLOWSKI &
NANCY SOKOWLOWSKI

24' Relocation of Seventh North Street

33 H 1/2B
33 H 7

Work Ends Sta. 29+20

PREPARED AND RECOMMENDED

E J Doyle Feb 16-53

UQUHART & DOYLE CONSULTING ENGINEERS — DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

INTERCHANGE LAYOUT

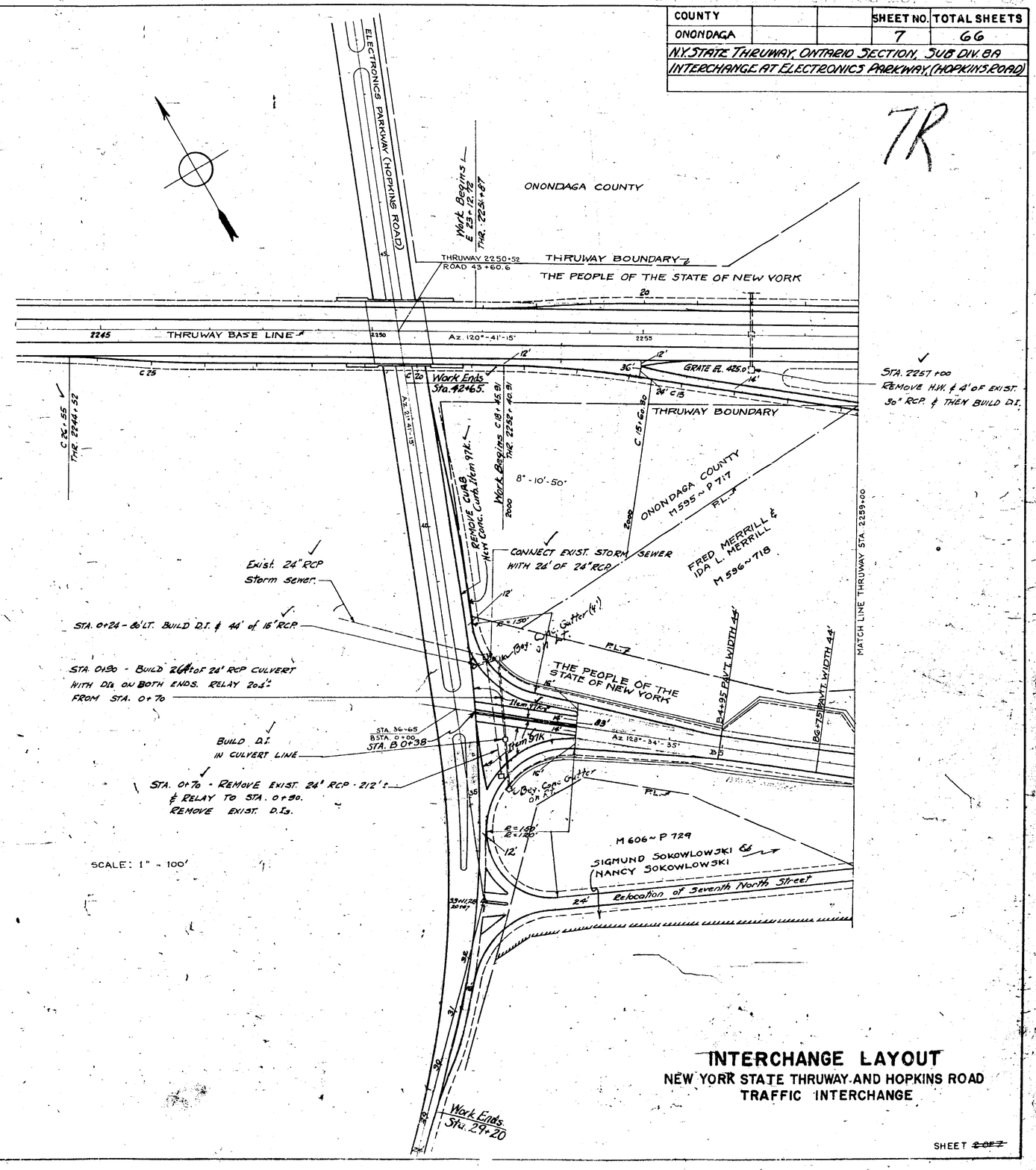
NEW YORK STATE THRUWAY AND HOPKINS ROAD
TRAFFIC INTERCHANGE

SHEET ~~2 OF 7~~

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			7	66

N.Y. STATE THRUWAY, ONTARIO SECTION, SUB DIV. 8A
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)

7R



SCALE: 1" = 100'

INTERCHANGE LAYOUT

NEW YORK STATE THRUWAY AND HOPKINS ROAD
TRAFFIC INTERCHANGE

PREPARED AND RECOMMENDED

UQUHART & DOYLE CONSULTING ENGINEERS — DATE

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SHEET ~~2 OF 7~~

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			8	66
NY STATE THRUWAY ONTARIO SECTION SUB'DIV. 8A.				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS RD.)				

N WOODLAND DRIVE

SEVENTH NORTH STREET

Az. 350°-47'-45"

CARL A. REDDERBORG

M 602 N P 725 FEE

STA. B 38+40
BUILD 18" RCP CULVERT
80' LG. DIG OUTLET DITCH.

B RAMP

B 23+50.29

9' SHOULDERS STA. B 15+80 TO BRIDGE TO STA. B 23+50. SHOULDERS TRANSITION WITH 11'-6" AT B 14+30 TO 9' AT STA. B 15+80. 9' AT STA. B 23+50 TO 11'-6" AT STA. B 28+00. ALL OTHER SHOULDERS 11'-6".

STA. 20+35
BUILD 30" RCP CULVERT 120' LG.
DIG OUTLET DITCH ACROSS
7TH NORTH ST.

THRUWAY BOUNDARY

ITEM 113 48" OF HIGHWAY- RAILROAD BARRICADE

W. R. STURGE
M 603 N P 726 N FEE

STA. E 6+40
BUILD 24" RCP
CULVERT. - 48' LG.

VO_NEY Y. LOWE &
EULALIA C. LOWE
M 604 N P 727 N FEE

THOMAS H. DIXON

THE PEOPLE OF THE STATE OF NEW YORK

STA. ROAD B 18+55.09

E RAMP

Az. 120°-41'-15"

STA. B 18+25 - RELAY 44' OF 30" RCP FROM STA. 2258+90 AND LAY 72' OF NEW 30" RCP. TOTAL LGTH 116'.

2270+37.28

M 605 N P 728 FEE

STA. B 47+00
REMOVE EXIST. D.I. &
EXTEND CULVERT WITH 16' OF
24" RCP. BUILD H.W.

THRUWAY BOUNDARY

C RAMP

D RAMP

STA. THRUWAY 2264+95

Az. 133°-00'-15"

THRUWAY BASE LINE

Sanitary Water Tower

M 601 N P 723 N FEE

STA. D 10+80
BUILD 24" RCP CULVERT
80' LG.

MINNIE C. WYKER

THE PEOPLE OF THE STATE OF NEW YORK

FRED MERRILL & IDA L. MERRILL
M 596 N P 718 N FEE

B 15+78.61

END CURBING B 14+50

ITEM 113
48" OF HIGHWAY- RAILROAD
BARRICADE

BARBARA SCHIESSER

Δ 13°-20'-49

SEVENTH NORTH STREET

M 597 N P 719 N FEE

John L. White & Florence K. White

THE PEOPLE OF THE STATE OF NEW YORK

STA. C 0+38
BUILD 44'-15" RCP CULVERT
WITH D.I. 12' LT.- B 9+58
& H.W. 15' LT.- C 0+38

STA. B 11+80
BUILD 136'-15" RCP CULVERT
WITH D.I. 26' LT.- D 2+50 &
H.W. 20' LT.- C 1+84

FRANCIS J. McARDELL & FLORENCE McARDELL

MAUD MOYER WARD

SCALE: 1" = 100'

THRUWAY CURVE DATA
New P.I. Sta. 2270+37.28
Δ = 12°-19'
D = 0°-30'
R = 11459.16'
T = 123.64'
E = 6.64'
L.C. = 246.334'

INTERCHANGE LAYOUT

NEW YORK STATE THRUWAY AND HOPKINS ROAD
TRAFFIC INTERCHANGE

PREPARED AND RECOMMENDED

DeCUHART & DOYLE CONSULTING ENGINEERS — DATE Feb 16-73

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SHEET ~~9 OF 7~~

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			8	66

N.Y. STATE THRUWAY ONTARIO SECTION SUB DIV. 8A

INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)

8R

B26+50 Built 104'-24" R.C.P.C.
U-Shape H.W. on Lt.

N. WOODLAND DRIVE

SEVENTH NORTH STREET

Az. 350°-47'-15"

CARL A. REDDERBORG

M602 ~ P725 FEE

B23+50.29

9' SHOULDERS STA. B15+80 TO BRIDGE TO STA. B23+50. SHOULDERS TRANSITION WITH 11'-6" AT B14+30 TO 9' AT STA. B15+80. 9' AT STA. B23+50 TO 11'-6" AT STA. D28+00. ALL OTHER SHOULDERS 11'-6".

STA. 20+95
BUILD 30" RCP CULVERT 120' LG.
DIG OUTLET DITCH ACROSS 7TH NORTH ST., & 8' Conc. Gutter at Outlet

THRUWAY BOUNDARY

STA. B 18+55.09
48' OF HIGHWAY-RAILROAD BARRICADE

THE PEOPLE OF THE STATE OF NEW YORK

Ext. Exist. 30" Culv. with R.C.P. Collar & H.W. with 8' Conc. Gut.

STA. B 18+25 - RELAY 44' OF 30" RCP FROM STA. 2258+30 AND LAY 72' OF NEW 30" RCP. TOTAL LGTH 116'.

Az. 120°-41'-15"

THRUWAY BOUNDARY

STA. THRUWAY 2264+95

GUIDE RAIL

MATCH LINE THRUWAY STA. 2259

C RAMP

B RAMP

D RAMP

E RAMP

Edge of C Ramp C 0+00

Southerly Water Tower

Sight on East Radio Tower (4)

FRED MERRILL & CARL MERRILL M596 ~ P716 ~ FEE

RED CURBING B 14+50

STA. B 15+78.61

B 13+68.48

M597 ~ P719 ~ FEE

End Conc. Curb

STA. C 0+38
BUILD 44'-15" RCP CULVERT WITH D.I. 12' LT. - B 0+58 & H.W. 15' LT. - C 0+38

STA. B 11+80
BUILD 136'-15" RCP CULVERT WITH D.I. 26' LT. - D 2+50 & H.W. 20' LT. - C 1+84

FRANCIS J. McARDELL & FLORENCE McARDELL

STA. D 1+05
BUILD 24" RCP CULVERT 80' LG.

Built L-Shape H.W. on Exist. T.W. H.W.

M601 ~ P723 ~ FEE

MINNIE C. WYKER

ITEM 113
48' OF HIGHWAY-RAILROAD BARRICADE

BARBARA SCHIESSER

John L. White & Florence K. White

MAUD MOYER WARD

W. R. STURGE
M603 ~ P726 ~ FEE

STA. E 6+40
BUILD 24" RCP CULVERT - 48' LG.

VOLNEY Y. LOWE & EULALIA C. LOWE
M604 ~ P727 ~ FEE

STA. B 35+40
BUILD 18" RCP CULVERT 48' LG. DIG OUTLET DITCH.

THOMAS H. DIXON

M605 ~ P728 ~ FEE

STA. B 47+00
REMOVE EXIST. D.I. & EXTEND CULVERT WITH 16' OF 24" RCP. BUILD H.W.

Az. 183°-00'-15"

THE PEOPLE OF THE STATE OF NEW YORK
THRUWAY BOUNDARY

THRUWAY BASE LINE

Work Ends C 87+27.12 THK 2286+38

Work Ends B 50+82.2 THK 2287+80

SEVENTH NORTH STREET
Az. 297°-45'-15"

THRUWAY CURVE DATA
New P.I. Sta. 2270+37.28
Δ = 12°-19'
D = 0°-30'
R = 11459.16'
T = 1236.4'
E = 66.4'
L.C. = 2463.34'

SCALE: 1" = 100'

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

Feb 16-53
DATE

INTERCHANGE LAYOUT

NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

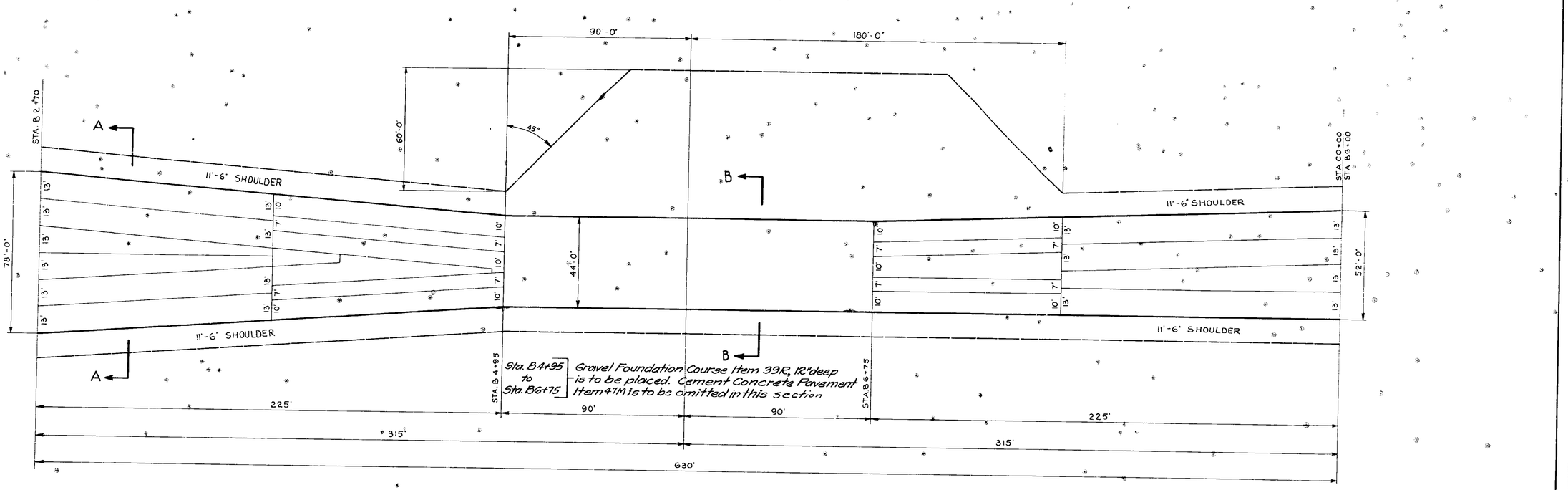
SHEET ~~8 OF 7~~

241

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			9	66

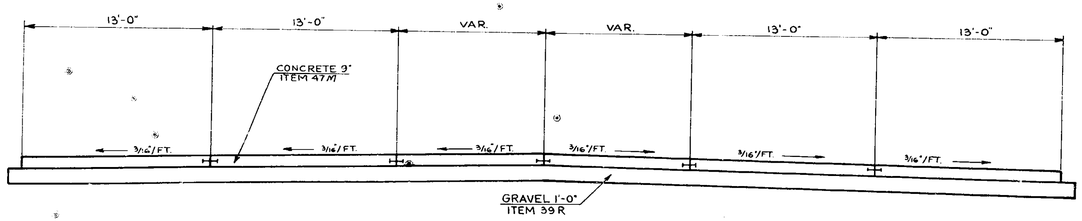
N. Y. STATE THRUWAY ONTARIO SECTION SUBDIV. 8A

INTERSHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)



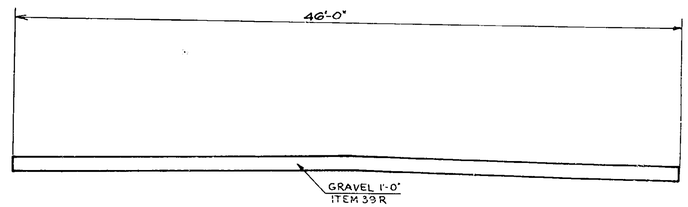
CONTROL AREA PLAN

SCALE : 1" = 25'-0"



SECTION A-A

SCALE : 1" = 5'-0"



SECTION B-B

SCALE : 1" = 5'-0"

PREPARED AND RECOMMENDED

URQUHART AND DOYLE CONSULTING ENGINEERS — DATE Mar 9-53

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

CONTROL AREA PLAN

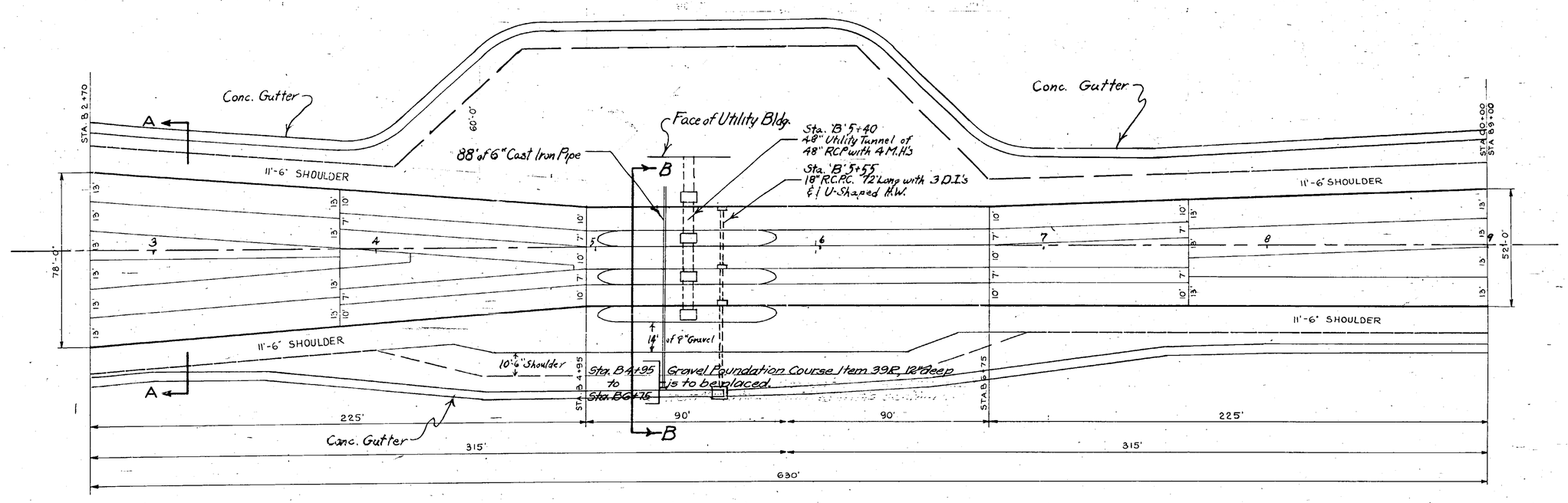
NEW YORK STATE THRUWAY AND HOPKINS ROAD

TRAFFIC INTERCHANGE

SHEET 2

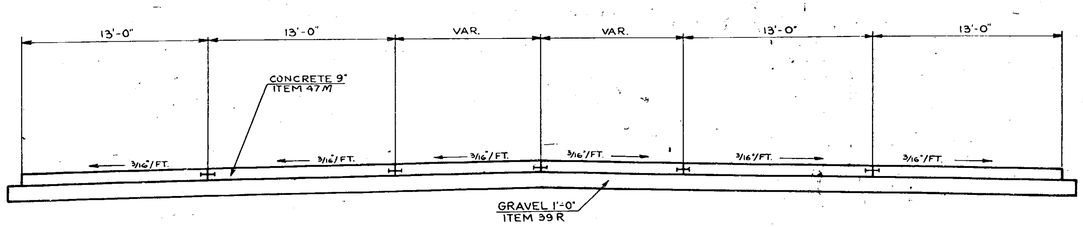
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			9	66
N.Y. STATE THRUWAY ONTARIO SECTION SUBDIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				

9R



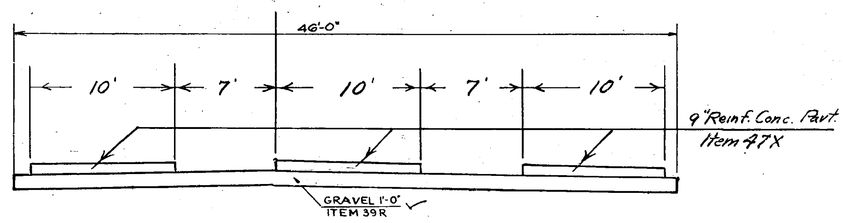
CONTROL AREA PLAN

SCALE : 1" = 25'-0"



SECTION A-A

SCALE : 1" = 5'-0"



SECTION B-B

SCALE : 1" = 5'-0"

CONTROL AREA PLAN

NEW YORK STATE THRUWAY AND HOPKINS ROAD

TRAFFIC INTERCHANGE

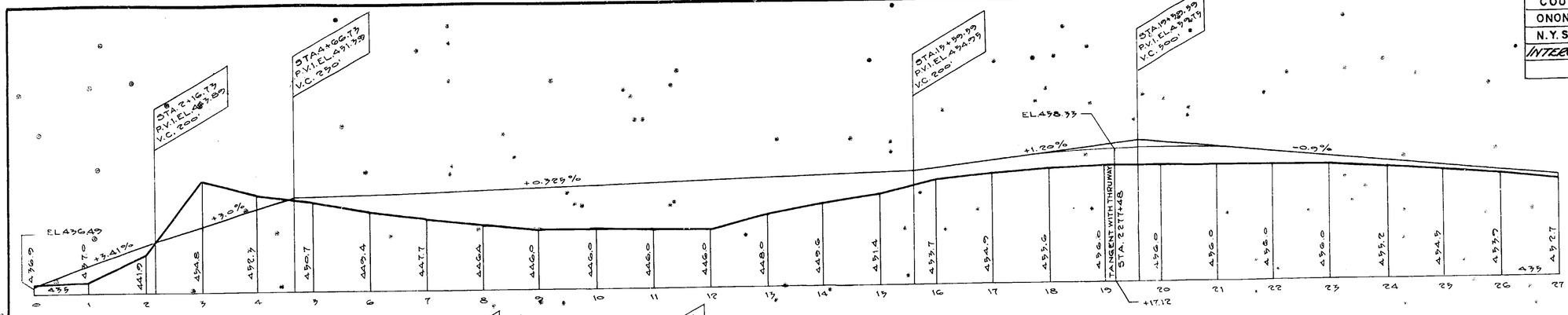
PREPARED AND RECOMMENDED

URQUHART AND DOYLE CONSULTING ENGINEERS — DATE Mar 9-53

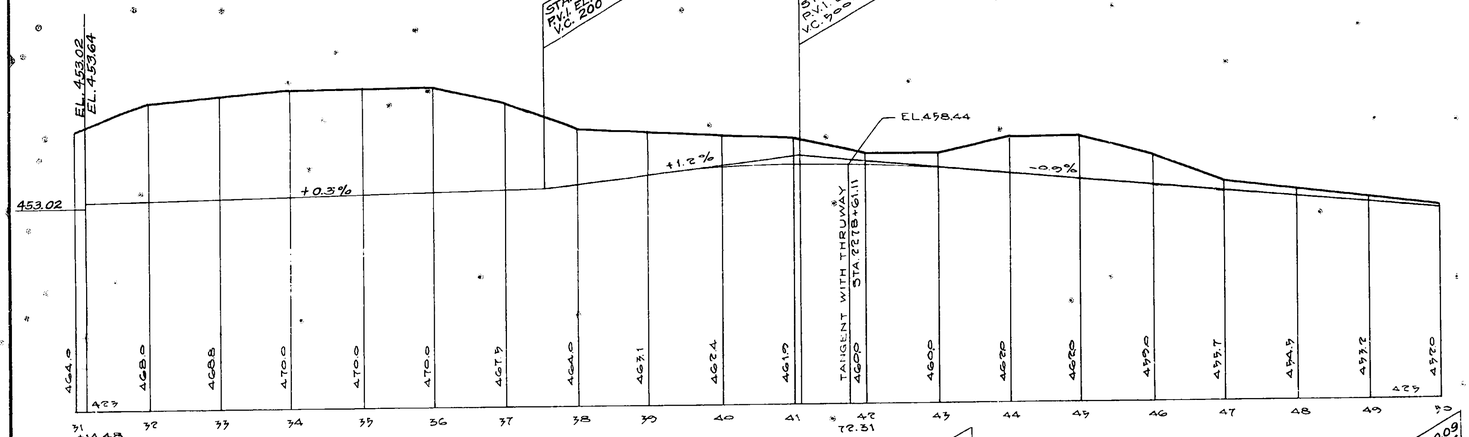
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

SHEET

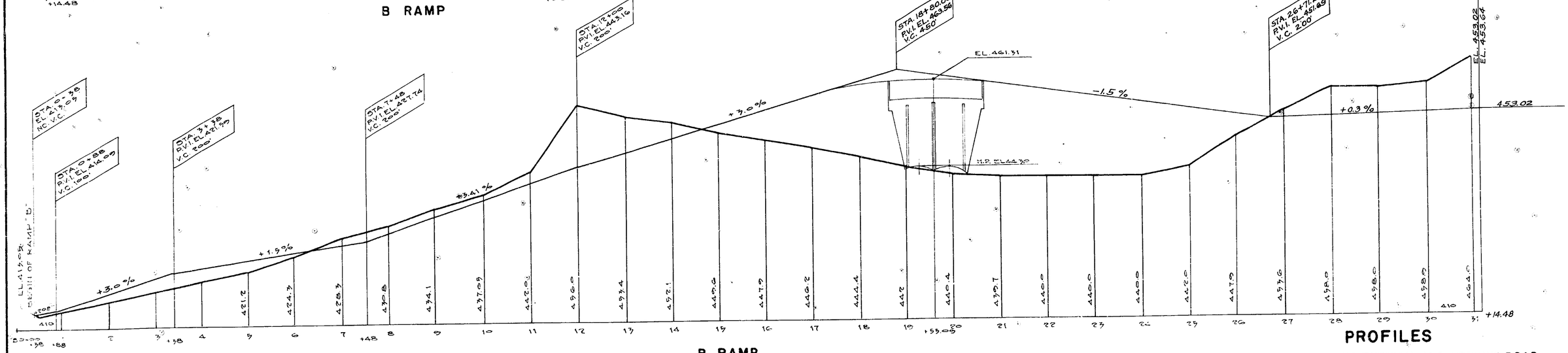
COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			10	66
N.Y. STATE THRUWAY-ONTARIO SECTION SUBDIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				



D RAMP



B RAMP



B RAMP

PROFILES

NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

PREPARED AND RECOMMENDED

URQUHART AND DOYLE CONSULTING ENGINEERS — DATE Feb 15 '63

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

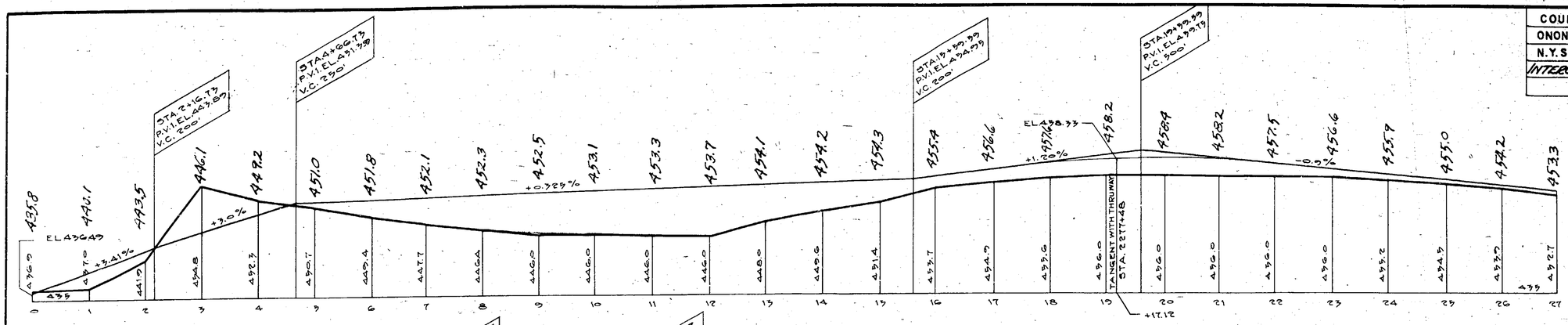
SHEET ~~10 OF 7~~

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			10	66

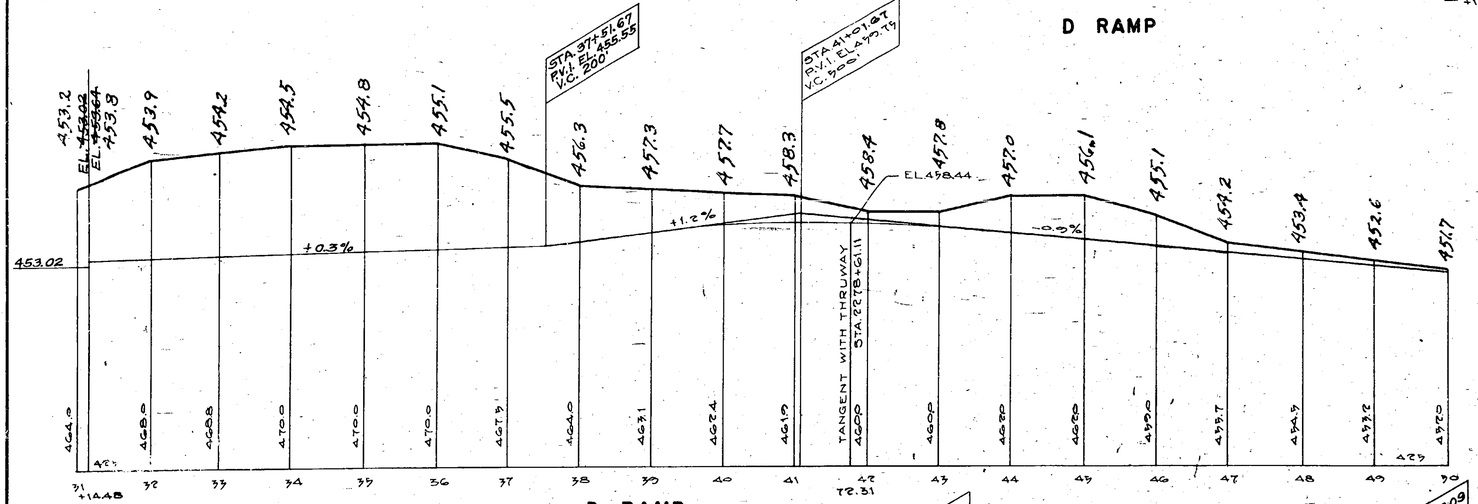
N.Y. STATE THRUWAY-ONTARIO SECTION SUBDIV. 8A

INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)

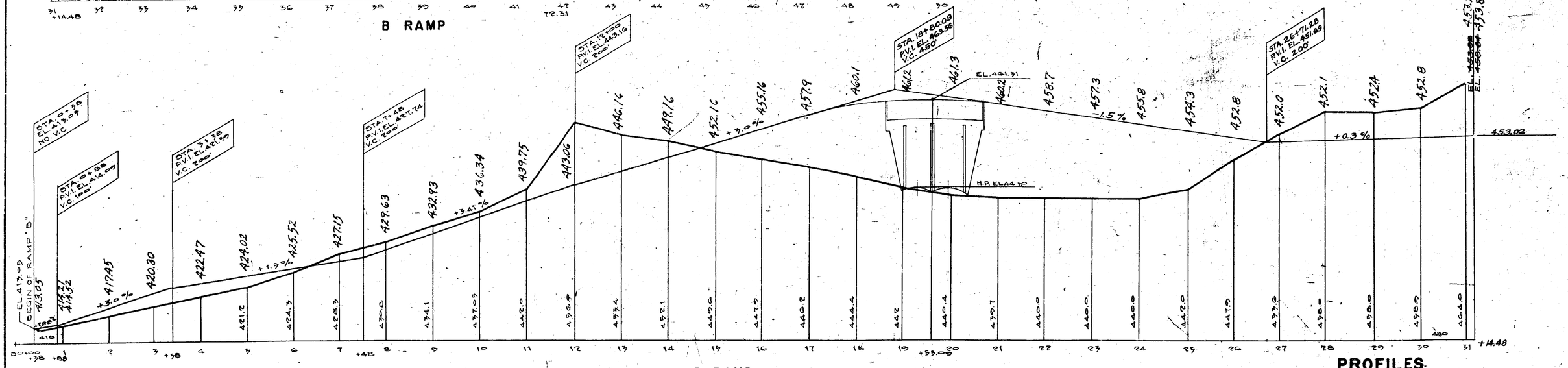
10R



D RAMP



B RAMP



B RAMP

PROFILES

NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

PREPARED AND RECOMMENDED

URQUHART AND DOYLE CONSULTING ENGINEERS — DATE Feb 18-53

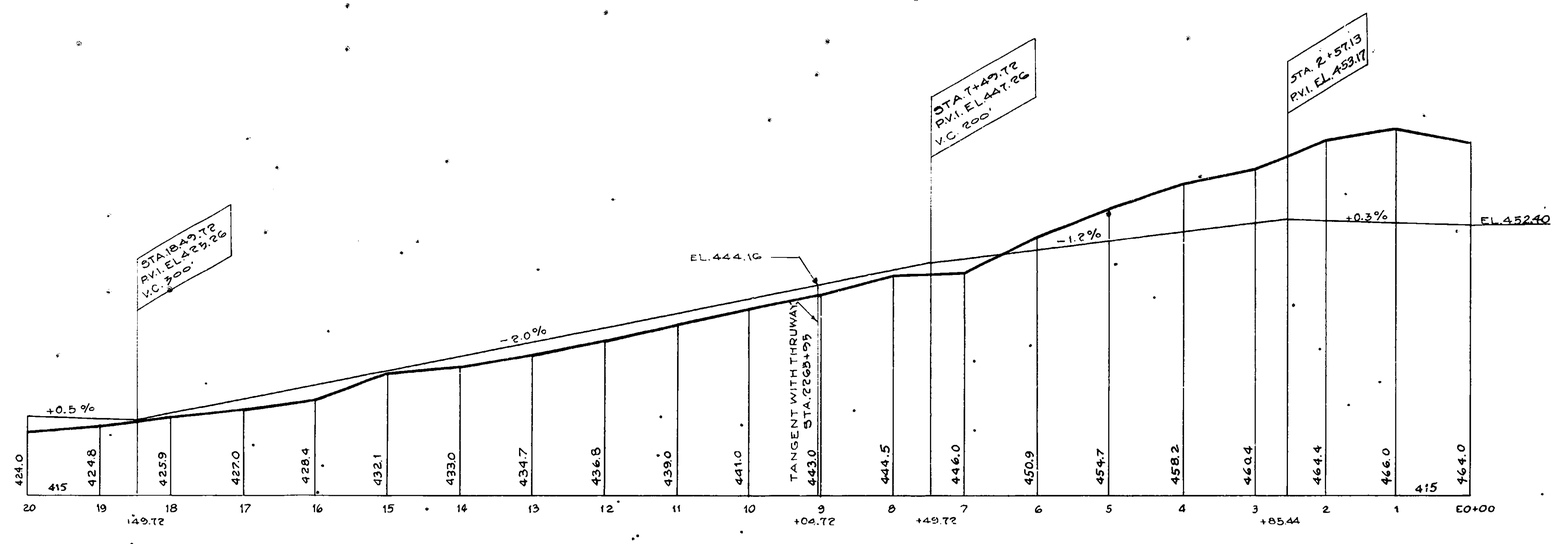
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SHEET ~~408~~

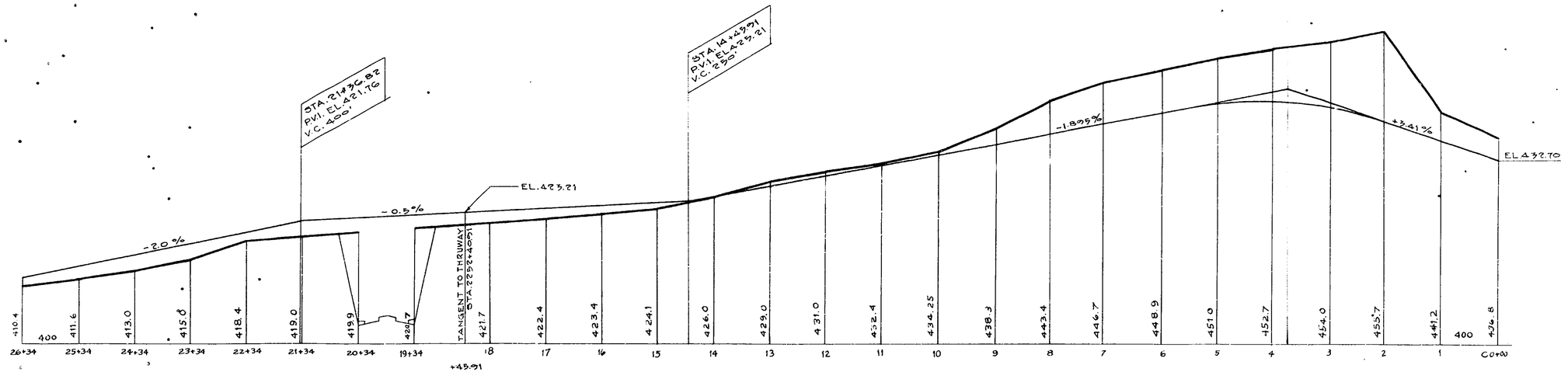
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			11	66

N.Y. STATE THRUWAY ONTARIO SECTION, SUB DIV. 8A

INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)



E-RAMP



C-RAMP

PREPARED AND RECOMMENDED

J.D. Doyle Feb 16-53

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

DATE

PROFILES

NEW YORK STATE THRUWAY AND HOPKINS ROAD

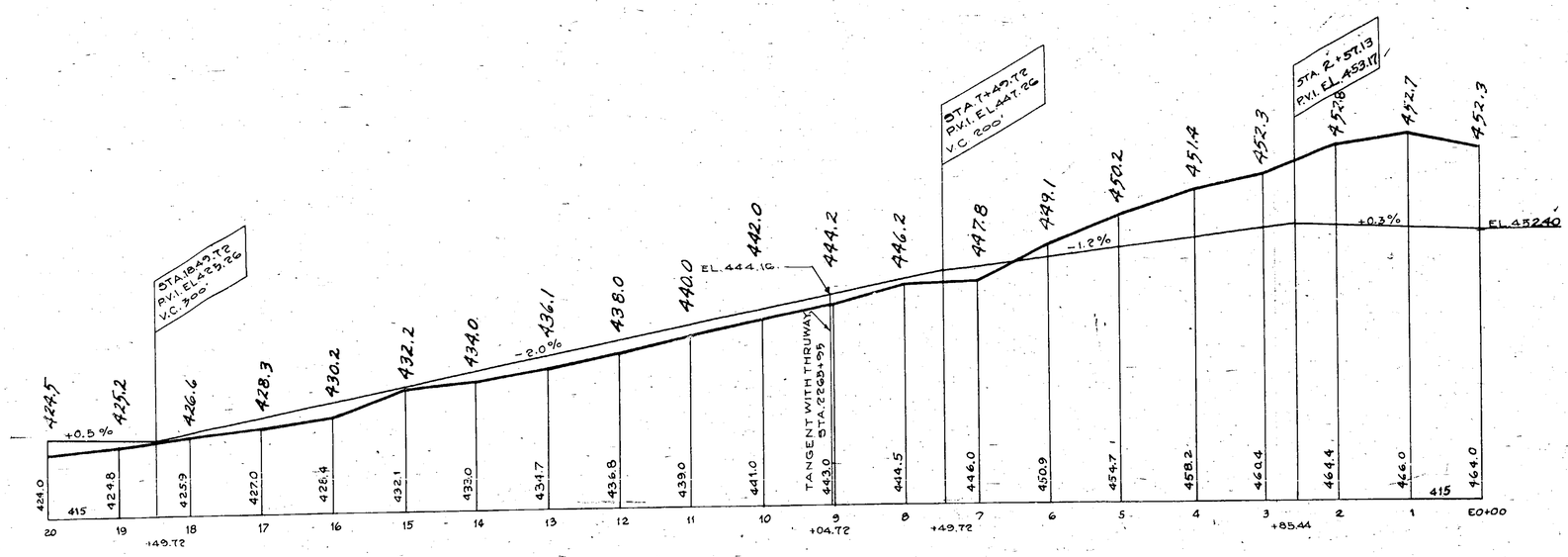
TRAFFIC INTERCHANGE

SHEET ~~S.OF.~~

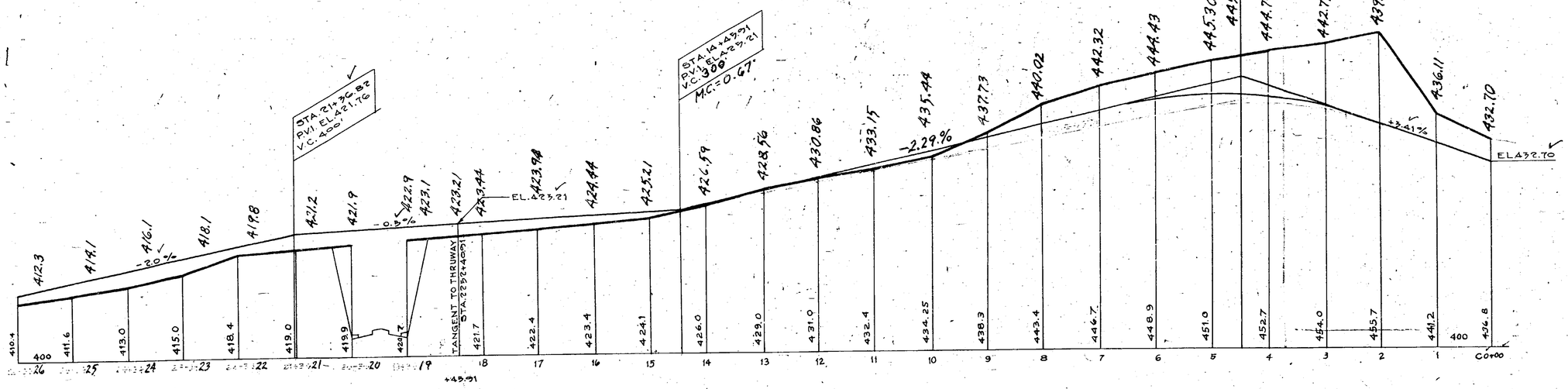
C.T. 53-8, M.T. 53-8, S.T. 53-8, R.C. 53-36

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			11	66
N.Y. STATE THRUWAY ONTARIO SECTION, SUB DIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				

11R



E-RAMP



C-RAMP

Grade Raised Above Water Table

PROFILES

NEW YORK STATE THRUWAY AND HOPKINS ROAD

TRAFFIC INTERCHANGE

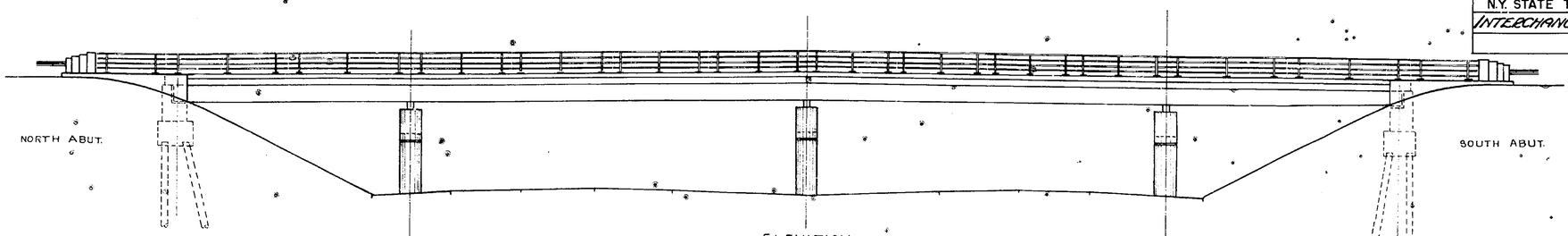
PREPARED AND RECOMMENDED

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

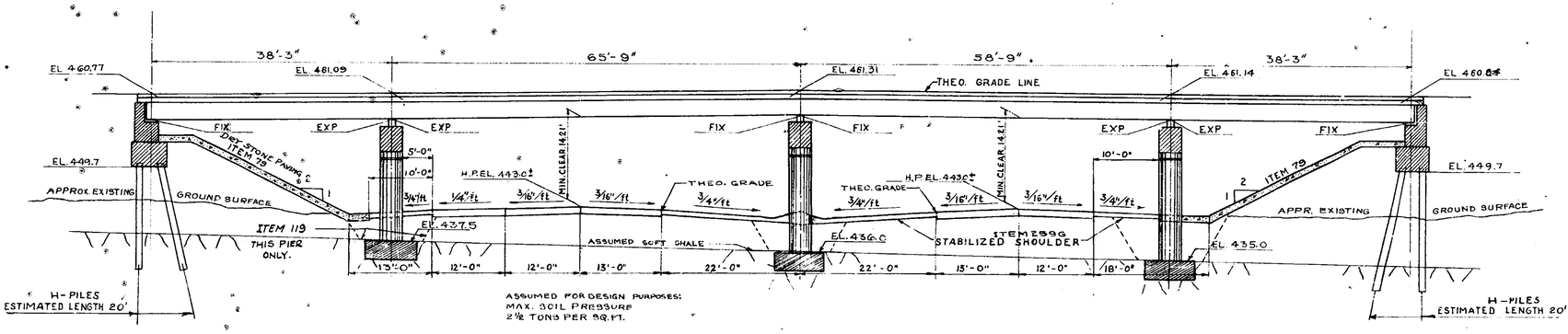
Feb 16-52
DATE

SHEET ~~5 OF 7~~

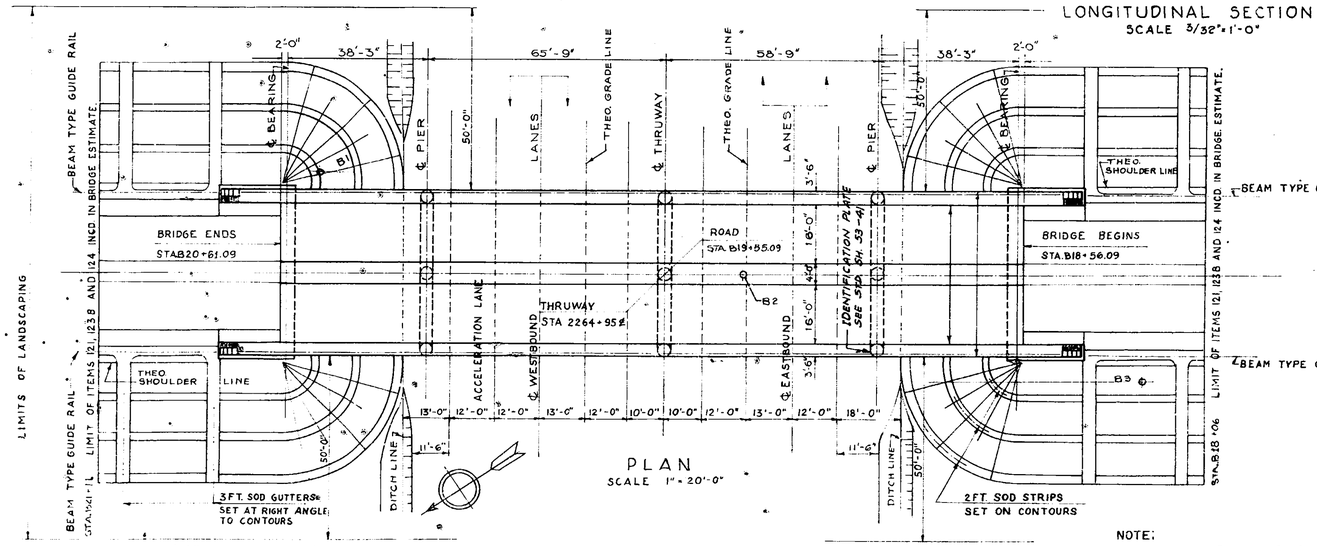
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			12	66
N.Y. STATE THRUWAY ONTARIO SECTION SUBDIV 8A				
INTERCHANGE AT ELECTRONICS PARKWAY, (HOPKINS ROAD)				



ELEVATION
SCALE 3/32"=1'-0"

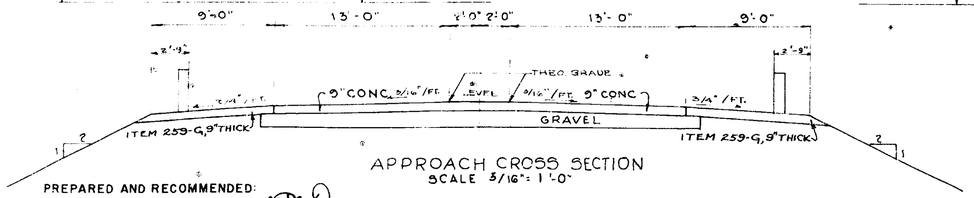


ASSUMED FOR DESIGN PURPOSES:
MAX. SOIL PRESSURE
2½ TONS PER SQ.FT.

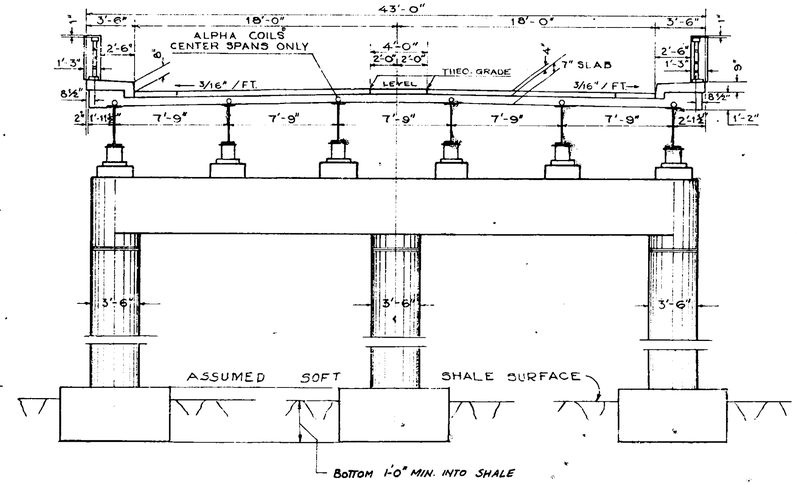


PLAN
SCALE 1"=20'-0"

LONGITUDINAL SECTION
SCALE 3/32"=1'-0"



APPROACH CROSS SECTION
SCALE 3/16"=1'-0"



TRANSVERSE SECTION
SCALE 3/16"=1'-0

NOTE:
DESIGN SPECIFICATIONS A.A.S.H.O. 1949-H20-S16 LOADING MODIFIED
MATERIAL AND FABRICATION SPECIFICATIONS N.Y.S.D.P.W JAN. 2, 1951.
SUPERSTRUCTURE WF BEAMS, COMPOSITE CONSTRUCTION CENTER SPANS ONLY.
FOUNDATION TREATMENT OF ABUTMENTS ON PILES: FOR DESIGN PURPOSES, THE ASSUMED LOAD PER PILE DOES NOT EXCEED 35 TONS.
PIER CONCRETE BENTS ON SPREAD FOOTINGS: FOR DESIGN PURPOSES, THE ASSUMED FOUNDATION PRESSURE UNDER PIERS DOES NOT EXCEED 2½ TONS PER SQ.FT. MAX.

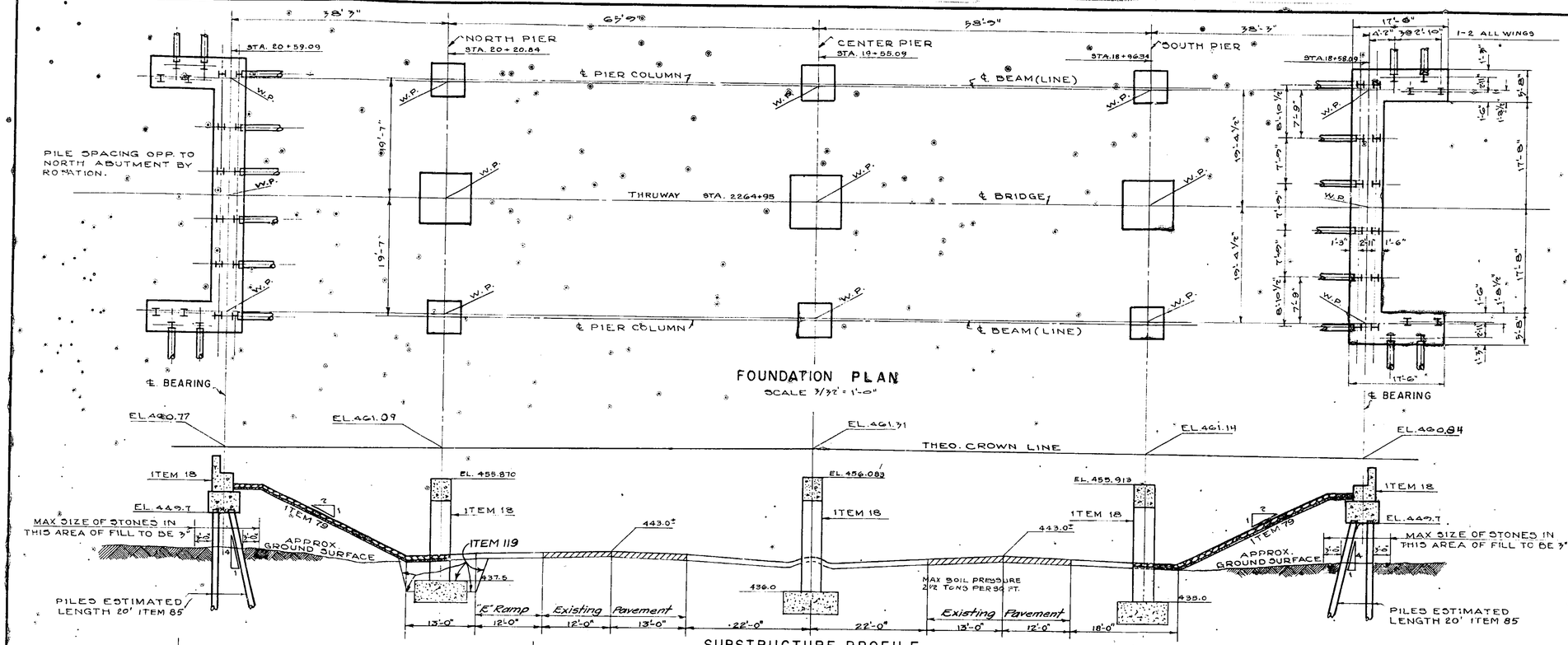
PREPARED AND RECOMMENDED: J.J. Doyle Feb 16-53
URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667
DATE

PRELIMINARY LAYOUT

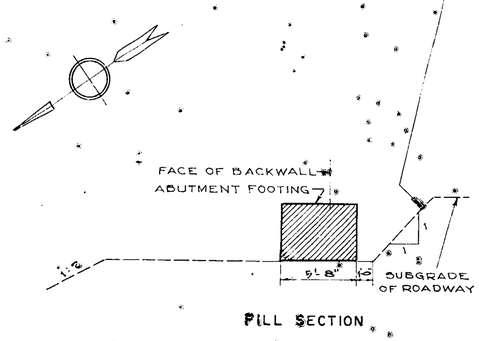
NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

SHEET ~~OF~~

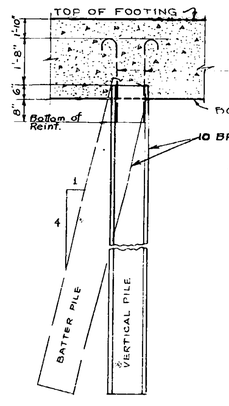
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			13	66
N.Y. STATE THRUWAY - ONTARIO SECTION SUBDIV 8A.				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				

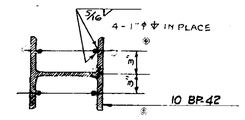


NOTE:
PLACING OF PILES AND CONSTRUCTION OF THE ABUTMENTS WILL NOT BE PERMITTED UNTIL THE HIGHWAY EMBANKMENT ADJACENT TO THE STRUCTURE HAS BEEN PLACED AND CONSOLIDATED IN A MANNER AND FOR A PERIOD OF TIME SATISFACTORY TO THE DEPUTY CHIEF ENGINEER (BRIDGES)



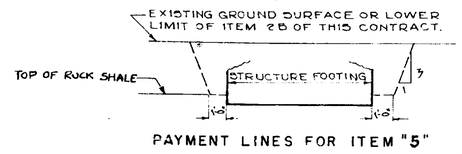
FILL SECTION



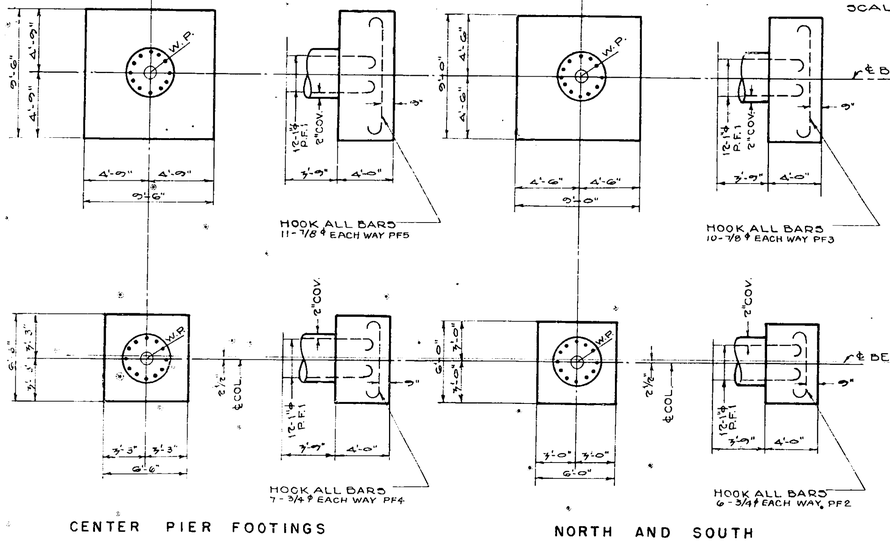


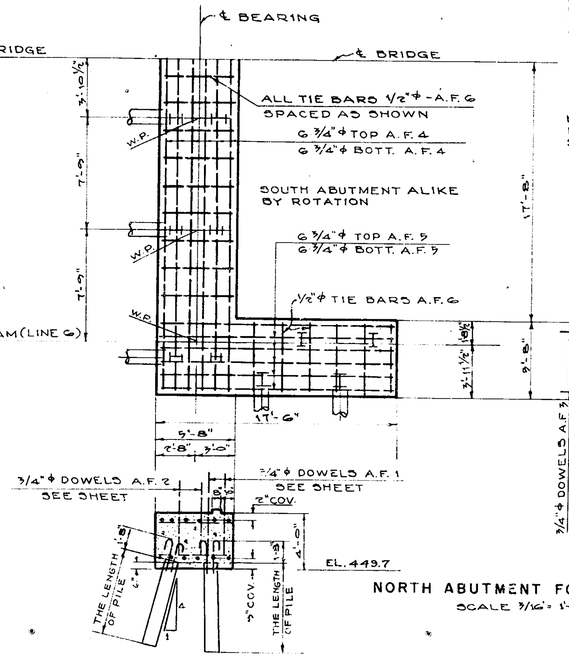
H PILE SECTION

STEEL PILE - H SECTION



PAYMENT LINES FOR ITEM "5"

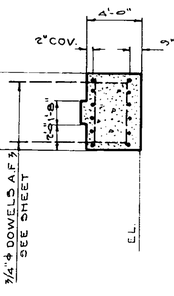




NOTE
FOR DESIGN PURPOSES MAX PILE LOADING DOES NOT EXCEED 30 TONS PER PILE AND MAX SOIL LOADING DOES NOT EXCEED THE LIMITS NOTED FOR EACH FOUNDATION.

NOTE
SHEET NUMBERS IN THE LOWER RIGHT HAND CORNER OF THE SHEET, TO BE USED FOR THE CROSS REFERENCE OF THE STRUCTURAL DETAILS.

ALL CONCRETE IN FOOTING, ITEM 18
ALL REINFORCEMENT BARS ITEM 28



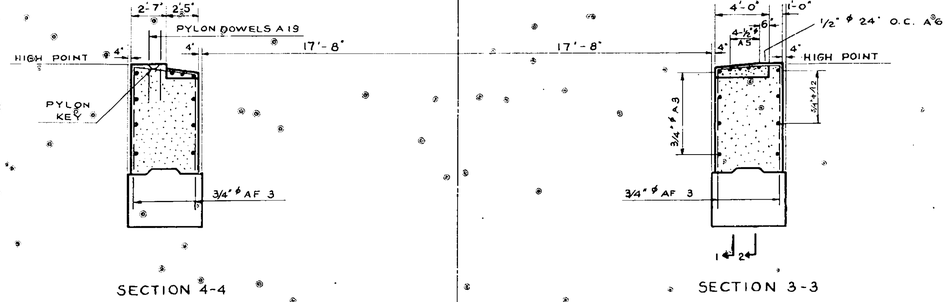
NORTH ABUTMENT FOUNDATION
SCALE 3/16" = 1'-0"

CROSS REFERENCE
FOR DETAILS OF ABUTMENTS SEE SHEET 13
FOR DETAILS OF PIERS SEE SHEET 14
FOR DETAILS OF BARS SEE SHEET 21
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 19

SUBSTRUCTURE DETAILS
NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

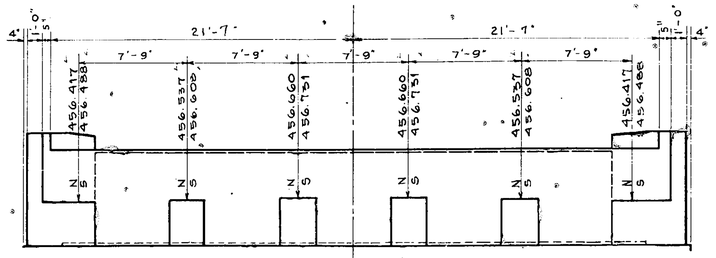
PREPARED AND RECOMMENDED
J Doyle Feb 19-53
URQUHART & DOYLE CONSULTING ENGINEERS — DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			14	66
N.Y. STATE THRUWAY-ONTARIO SECTION - SUB. DIV. "81A				
INTERCHANGE AT ELECTRONICS PARKWAY, (HOPKINS ROAD)				

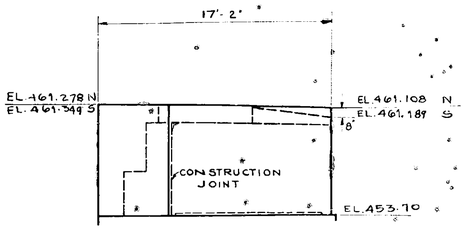


SECTION 4-4

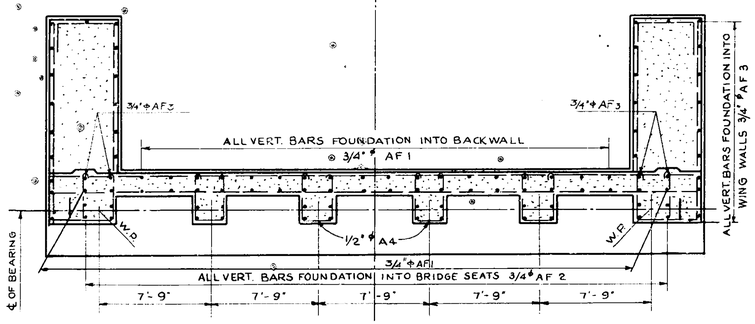
SECTION 3-3



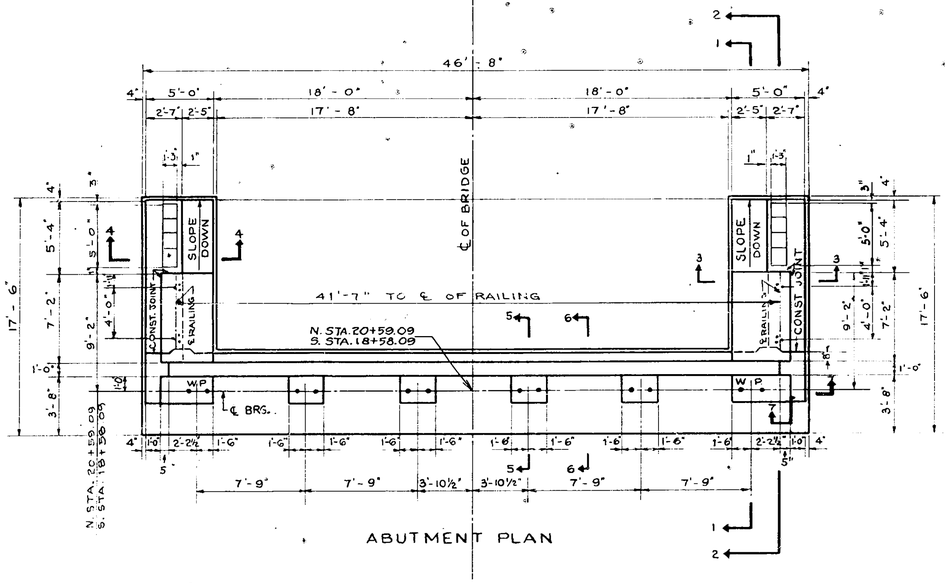
ABUTMENT ELEVATION



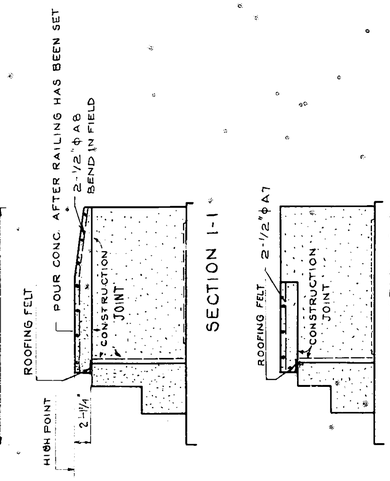
WING WALL



SECTIONAL PLAN UNDER BRIDGE SEAT

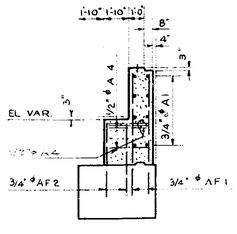


ABUTMENT PLAN

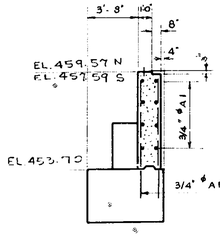


SECTION 1-1

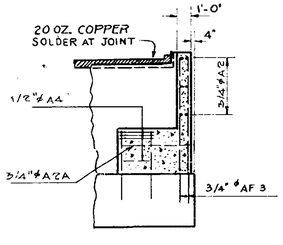
SECTION 2-2



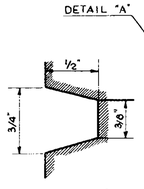
SECTION 5-5



SECTION 6-6

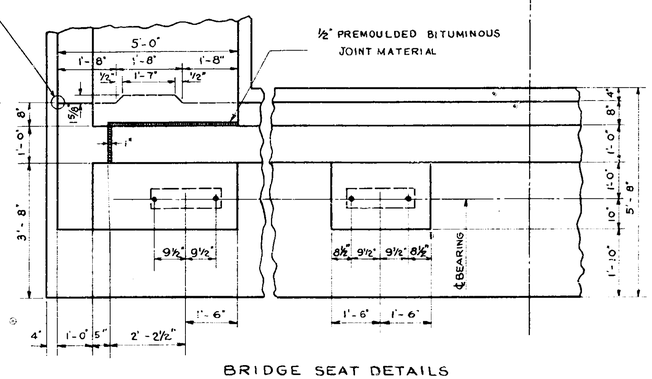


SECTION 7-7



DETAIL "A"

NOT TO SCALE



BRIDGE SEAT DETAILS

SCALE ½" = 1'-0"

SCALE 3/16" = 1'-0", EXCEPT AS SHOWN

CROSS REFERENCE

FOR LAYOUT OF ABUTMENTS SEE SHEET 13
FOR DETAILS OF REINFORCING BARS SEE SHEET 21
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 19
FOR DETAILS OF ABUTMENT FOUNDATION SEE SHEET 13
FOR DETAILS OF PYLONS SEE SHEET 20
FOR DETAILS OF RAILING SEE SHEET 18
FOR STRINGER LAYOUT SEE SHEET 16

SUBSTRUCTURE DETAILS

NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

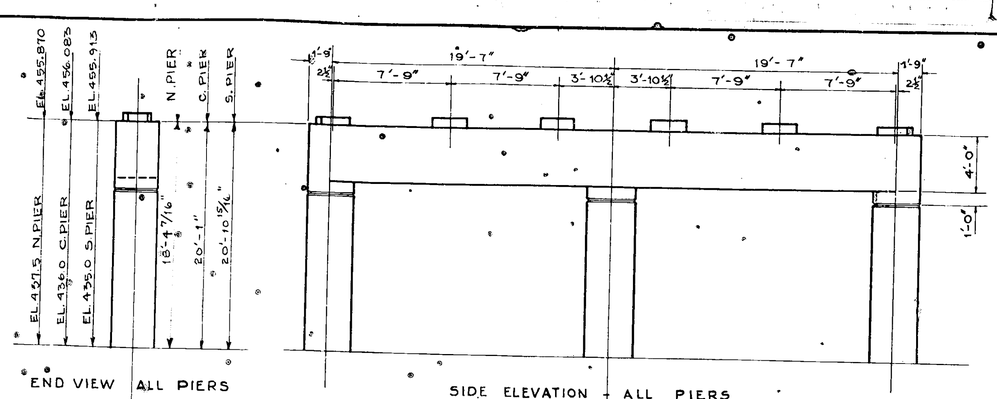
PREPARED AND RECOMMENDED:

C. J. Doyle Feb 19-53

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

DATE

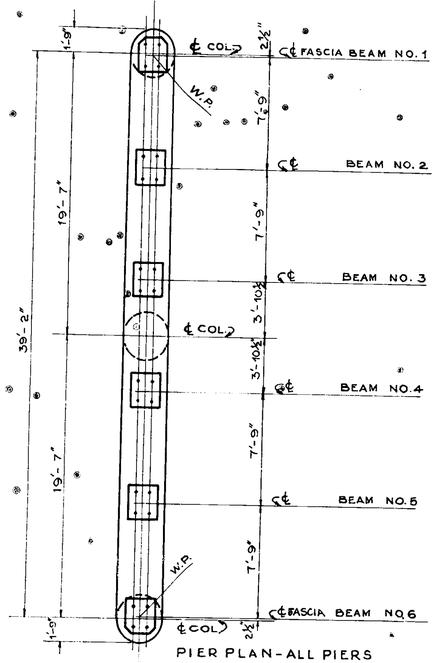
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			15	66
N.Y. STATE THRUWAY-ONTARIO SECTION - SUB.DIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				



END VIEW ALL PIERS

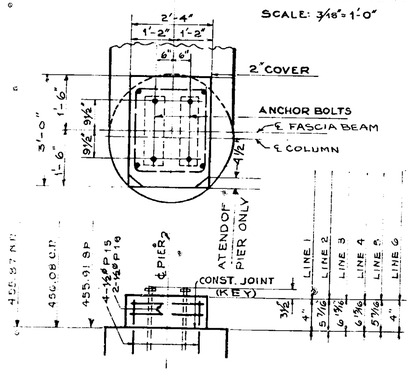
SIDE ELEVATION - ALL PIERS

SCALE: 3/16"=1'-0"

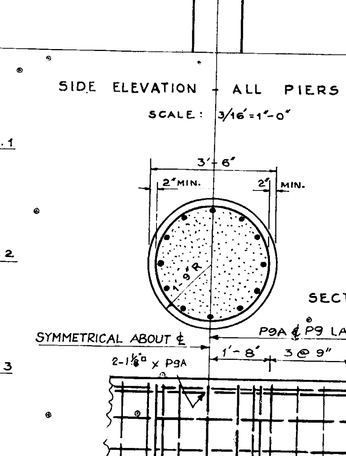


PIER PLAN-ALL PIERS

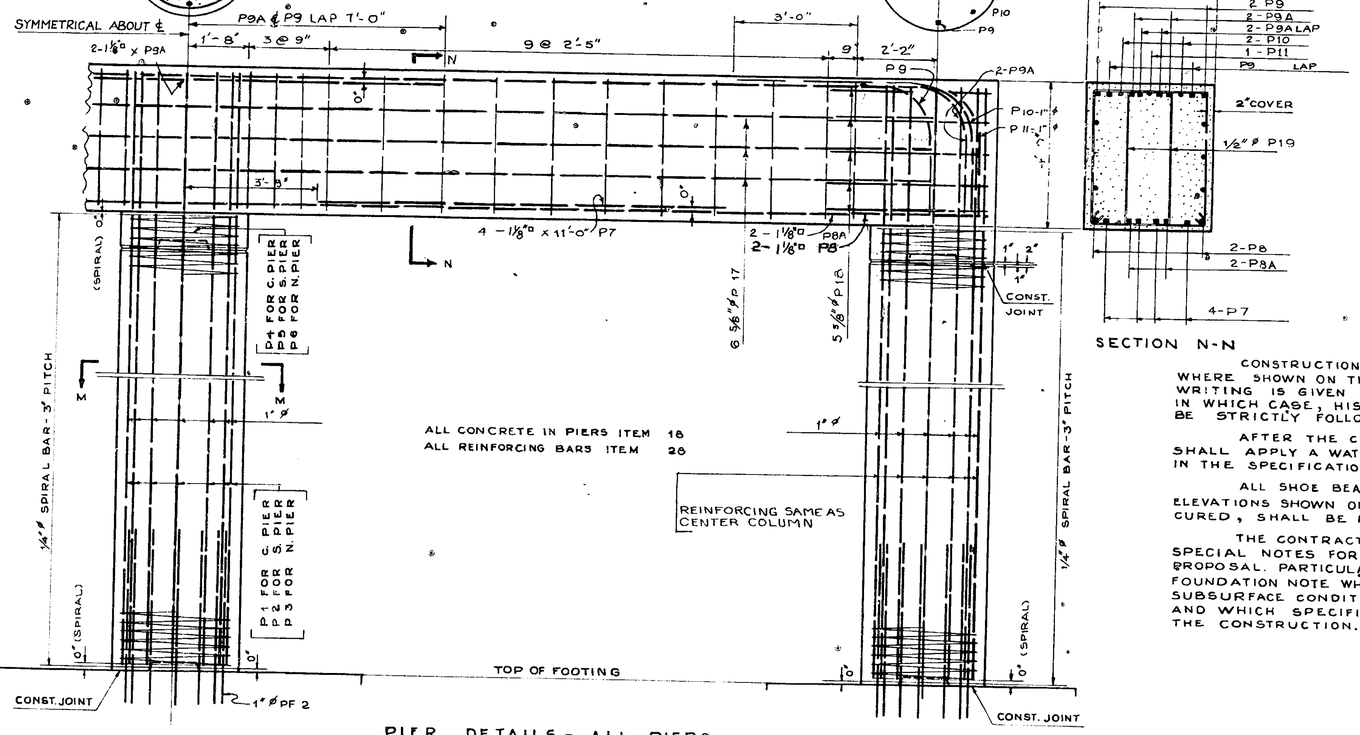
SCALE: 3/16"=1'-0"



DETAIL OF PIER PAD



SECTION M-M



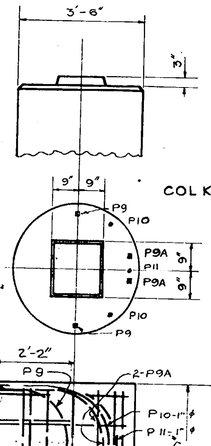
PIER DETAILS - ALL PIERS

SCALE 1½"=1'-0"

ALL CONCRETE IN PIERS ITEM 18
ALL REINFORCING BARS ITEM 28

REINFORCING SAME AS CENTER COLUMN

NOTE~FOR LOCATION OF IDENTIFICATION PLATE, SEE STANDARD SHEET 53-41.



COL KEY DETAILS

SECTION N-N

SUBSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
5	TRENCH, CULVERT & BRIDGE EXCAVATION	C.Y.	600	700
15-2	PORTLAND CEMENT, TYPE 2	BBL.	595	609
15-N	NATURAL CEMENT, TYPE N	BBL.	85	87
18	CLASS IA CONCRETE FOR STRUCTURES	C.Y.	425	435
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	37,000	38,000
85	STEEL BEARING PILES	L.F.	800	900
87	FURNISHING EQUIPMENT FOR DRIVING PILES	NEC.	NEC.	NEC.
79	DRY STONE PAVING	S.Y.	420	420
121	TOP SOIL PLACED FROM STOCKPILES	C.Y.	400	450
123	SEEDING	ACRE.	.4	.6
124	SODDING	S.Y.	410	480
119	RUN OF BANK GRAVEL FILL	C.Y.	45	50

SUBSTRUCTURE

GENERAL NOTES

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHERE PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER (BRIDGES), IN WHICH CASE, HIS SUPPLEMENTAL INSTRUCTIONS SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATER-PROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41 W TO ALL EXPOSED SURFACES.

ALL SHOE BEARING SURFACES SHALL BE CAST ¼" ABOVE ELEVATIONS SHOWN ON THE PLANS, AND AFTER THE CONCRETE IS CURED, SHALL BE BUSH-HAMMERED TO THE REQUIRED ELEVATIONS

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS AT THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO THE CONSTRUCTION.

CROSS REFERENCE

FOR LAYOUT OF PIERS SEE SHEET 13
FOR DETAILS OF REINFORCING BARS SEE SHEET 21
FOR DETAILS OF PIER FOUNDATION SEE SHEET 13
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 19

PREPARED AND RECOMMENDED:

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

DATE 11-19-53

SUBSTRUCTURE DETAILS

NEW YORK STATE THRUWAY AND HOPKINS ROAD
TRAFFIC INTERCHANGE

O.T. 53-S, M.T. 53-S, S.T. 53-20, R.C. 53-36

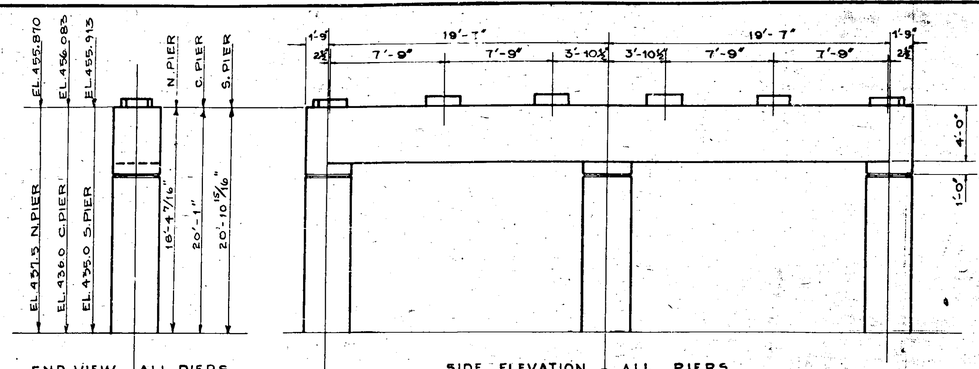
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			15	26

N.Y. STATE THRUWAY-ONTARIO SECTION - SUB.DIV. 8A

INTERCHANGE AT ELECTRONICS PARKWAY, (HOPKINS ROAD)

ROUTE 18 - INTERCHANGE BRIDGE

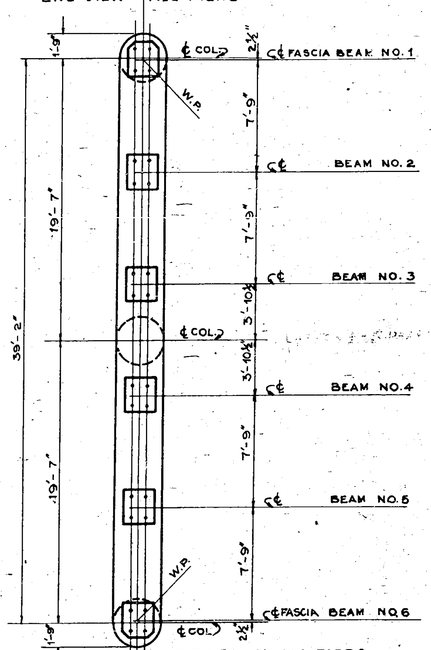
15R



END VIEW ALL PIERS

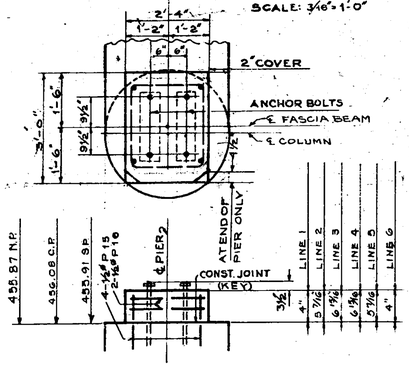
SIDE ELEVATION - ALL PIERS

SCALE: 3/16"=1'-0"

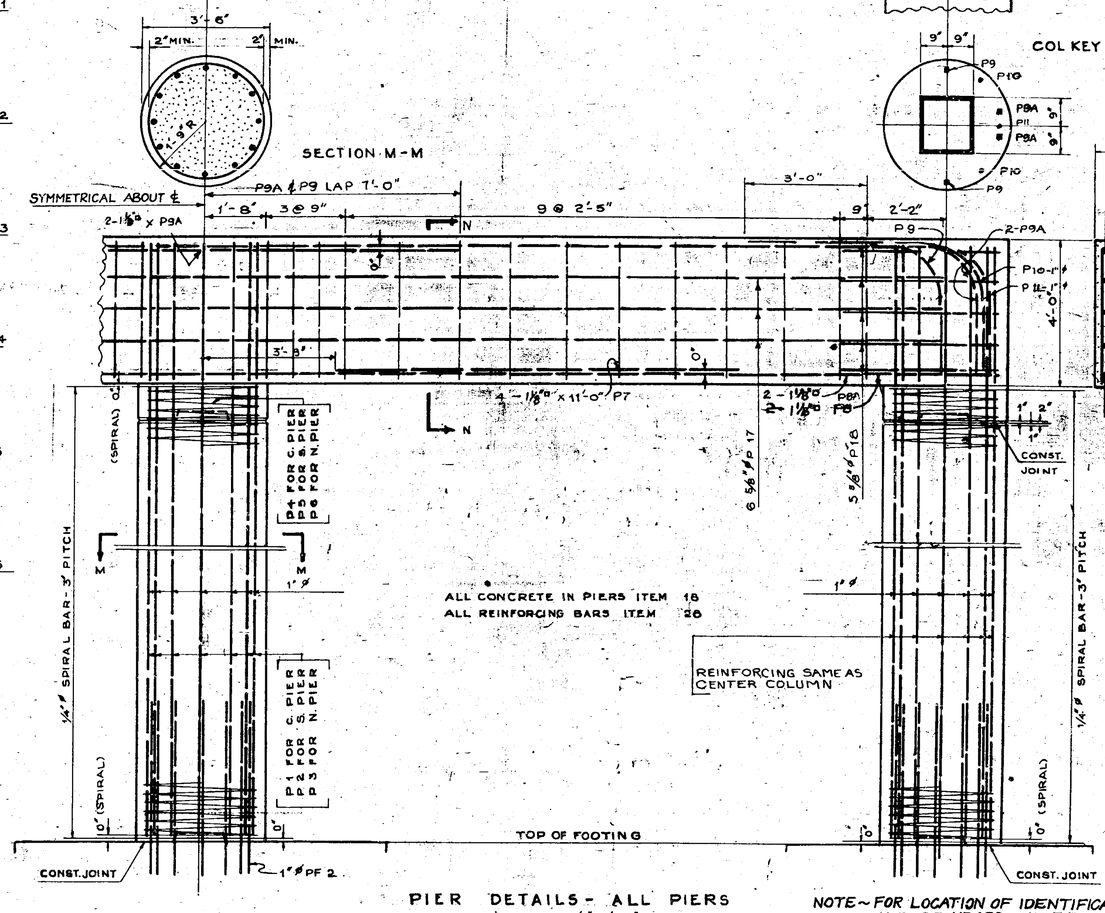


PIER PLAN-ALL PIERS

SCALE: 3/16"=1'-0"



DETAIL OF PIER PAD

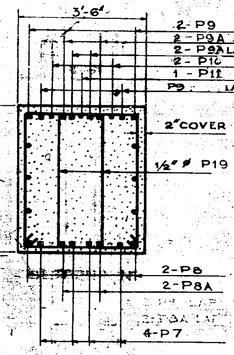


ALL CONCRETE IN PIERS ITEM 18
ALL REINFORCING BARS ITEM 28

REINFORCING SAME AS CENTER COLUMN

PIER DETAILS - ALL PIERS

SCALE ½"= 1'-0"



SECTION N-N

SUBSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
5	TRENCH, CULVERT & BRIDGE EXCAVATION	C.Y.	600	700
15-2	PORTLAND CEMENT, TYPE 2	BBL.	595	609
15-N	NATURAL CEMENT, TYPE N	BBL.	85	87
18	CLASS IA CONCRETE FOR STRUCTURES	C.Y.	423	435
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	37,000	38,000
85	STEEL BEARING PILES	L.F.	500	500
87	FURNISHING EQUIPMENT FOR DRIVING PILES	NEC.	NEC.	NEC.
79	DRY STONE PAVING	S.Y.	420	480
121	TOP SOIL PLACED FROM STOCKPILES	C.Y.	400	450
123	SEEDING	ACRE	4	6
124	SODDING	S.Y.	410	450
119	RUN OF BANK GRAVEL FILL	C.Y.	45	50

SUBSTRUCTURE

GENERAL NOTES

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHERE PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER (BRIDGES), IN WHICH CASE, HIS SUPPLEMENTAL INSTRUCTIONS SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATER-PROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41 W TO ALL EXPOSED SURFACES.

ALL SHOE BEARING SURFACES SHALL BE CAST 1¼" ABOVE ELEVATIONS SHOWN ON THE PLANS, AND AFTER THE CONCRETE IS CURED, SHALL BE BUSH-HAMMERED TO THE REQUIRED ELEVATIONS

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS AT THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO THE CONSTRUCTION.

NOTE~FOR LOCATION OF IDENTIFICATION PLATE, SEE STANDARD SHEET 53-41.

BUILT ACCORDING TO PLAN

CROSS REFERENCE

FOR LAYOUT OF PIERS SEE SHEET 13
FOR DETAILS OF REINFORCING BARS SEE SHEET 21
FOR DETAILS OF PIER FOUNDATION SEE SHEET 13
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 19

PREPARED AND RECOMMENDED: J.J. Doyle Feb 19-53

URQUHART & DOYLE, CONSULTING ENGINEERS — DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 3667

SUBSTRUCTURE DETAILS

NEW YORK STATE THRUWAY AND HOPKINS ROAD
TRAFFIC INTERCHANGE

SHEET 15

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			16	66
N.Y. STATE THRUWAY-ONTARIO SECTION SUBDIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				

SUPERSTRUCTURE

GENERAL NOTES

THE DESIGN OF THE STRUCTURE IS BASED ON A.A.S.H.O. SPECIFICATIONS, 1949. H20-S16-44 LOADING, AND CURRENT MODIFICATIONS AND ADDITIONS.

ALL CONCRETE OF SUPERSTRUCTURE SHALL BE ITEM 18, EXCEPT CONCRETE OF PYLONS, WHICH SHALL BE ITEM 19, AND CEMENT CONCRETE PAVEMENT, WHICH SHALL BE ITEM 47 BM

THE COST OF FURNISHING AND INSTALLING METAL EXPANSION MATERIAL, METAL WATER STOP, PREMOULDED BITUMINOUS JOINT MATERIAL, CAULKING COMPOUND, PARA-PLASTIC, SPONGE RUBBER, ASPHALT ROOFING FELT, ETC., SHALL BE INCLUDED IN THE BID PRICES OF THE RESPECTIVE CONCRETE ITEMS OF THE CONTRACT.

ALL MATERIALS, WORKMANSHIP, AND FABRICATION SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS, JANUARY 2, 1951, AND CURRENT MODIFICATIONS AND ADDITIONS.

WHERE CAULKING COMPOUND IS TO CONTACT CONCRETE SURFACES, SUCH CONCRETE SHALL BE THOROUGHLY CLEANED AND DRY, AND PRIMED WITH A PRIMING COAT AT LEAST 30 MINUTES BEFORE THE APPLICATION OF CAULKING COMPOUND. THIS WORK SHALL BE DONE BY EXPERIENCED MEN, AND THE COMPLETE OPERATION SHALL BE SPECIALLY DIRECTED BY THE ENGINEER.

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHEN PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER OF BRIDGES, IN WHICH CASE HIS SUPPLEMENTAL INSTRUCTIONS SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATERPROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41W TO ALL EXPOSED SURFACES EXCEPT THE UNDERSIDE OF SLABS. TWO APPLICATIONS OF WATERPROOFING OIL TREATMENT SHALL BE APPLIED AT THE TOP OF THE SLAB. THE SECOND APPLICATION SHALL BE APPLIED TWO DAYS PRIOR TO THE PLACING OF THE PAVEMENT OR SIDEWALK.

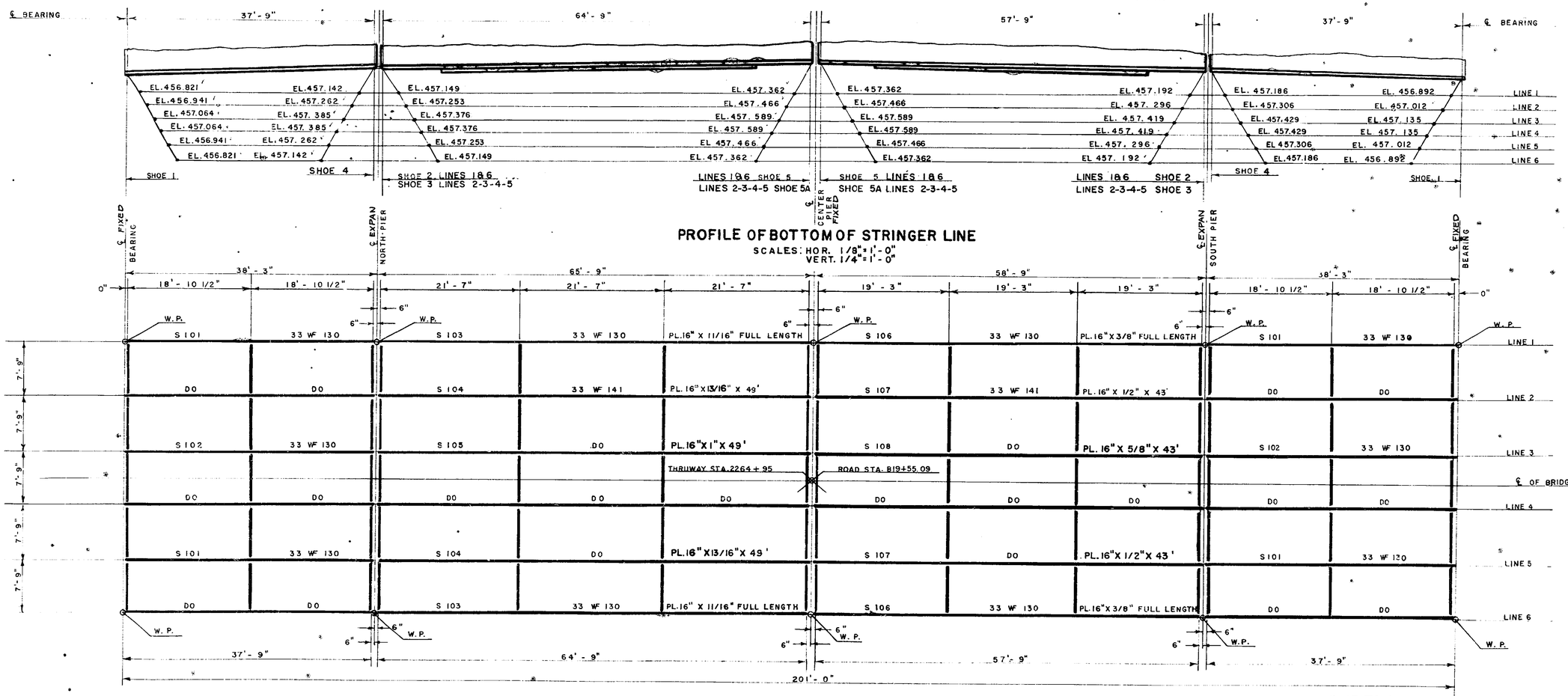
IMMEDIATELY BEFORE PLACING PAVEMENT CONCRETE, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR, IF THE AIR TEMPERATURE IS ABOVE 50° F. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE PRICE BID FOR ITEM 47-BM

THE CONTRACTOR'S ATTENTION IS DIRECTED TO ALL SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE, WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS OF THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO CONSTRUCTION.

SUPERSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
15-2	PORTLAND CEMENT, TYPE 2	BBL.	382	397
15-N	NATURAL CEMENT, TYPE N	BBL.	74	78
18	CLASS IA CONCRETE FOR STRUCTURES	C.Y.	270	280
19	CLASS IA CONCRETE FOR RAILINGS	C.Y.	2.5	3
28	BAR REINFORCEMENT FOR STRUCTURES	LB	63,500	66,000
28B	SPIRAL BAR SHEAR CONNECTORS	LB	2,100	2,200
25	STRUCTURAL STEEL	LB	230,300	237,200
37	METAL RAILINGS	LF	462	465
47 BM	CEMENT CONCRETE PAVEMENT	C.Y.	92	100
* 25F	STEEL FABRIC REINFORCEMENT	S.Y.	820	830
15-BA	PORTLAND CEMENT, TYPE IA	BBL.	136	149

* STEEL FABRIC REINFORCEMENT IS TO BE FURNISHED IN FLAT SHEETS



PROFILE OF BOTTOM OF STRINGER LINE

SCALES: HOR. 1/8"=1'-0"
VERT. 1/4"=1'-0"

STEEL PLAN

SCALE: 1/8" = 1'-0"

SUPERSTRUCTURE* DETAILS

NEW YORK STATE THRUWAY AND HOPKINS ROAD
TRAFFIC INTERCHANGE

PREPARED AND RECOMMENDED: E.L. Doyle Feb 19-53

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667 — DATE

COUNTY	FED. AID PROJ. NO.	STATE	SHEET NO.	TOTAL SHEETS
ONONDAGA		N.Y.	16	66

N.Y. STATE THRUWAY-ONTARIO SECTION 1 SUB DIV. 8A

INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)

16R

SUPERSTRUCTURE

GENERAL NOTES

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SUPERSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
15-2	PORTLAND CEMENT, TYPE 2	BBL.	382	397
15-N	NATURAL CEMENT, TYPE N	BBL.	74	76
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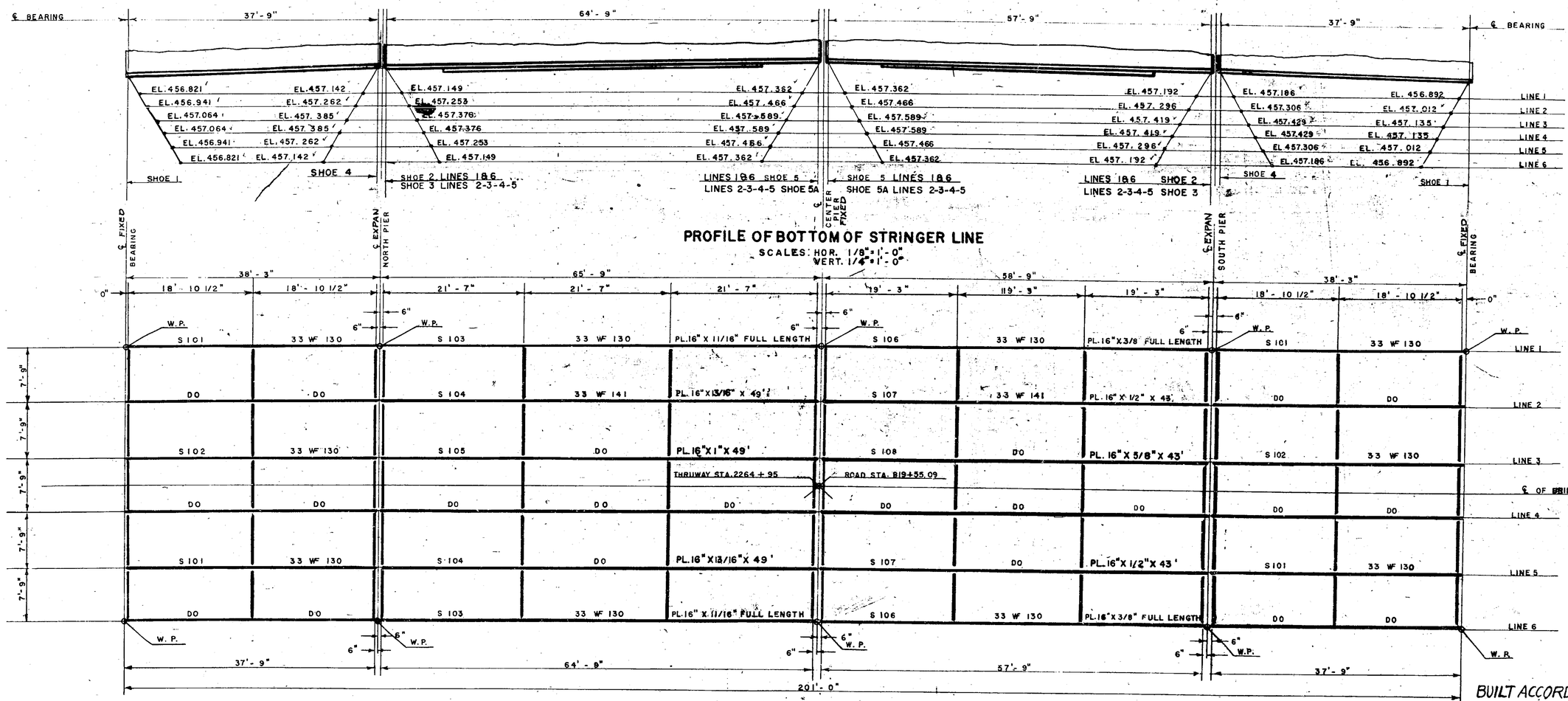
19	CLASS IA CONCRETE FOR RAILINGS	C.Y.	25	3
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	53,500	56,000
28B	SPIRAL BAR SHEAR CONNECTORS	LB.	2,100	2,200
29	STRUCTURAL STEEL	LB.	230,300	237,200
37	METAL RAILINGS	LF.	462	465
47 BM	CEMENT CONCRETE PAVEMENT	C.Y.	92	100
* 25 F	STEEL FABRIC REINFORCEMENT	S.Y.	820	830
15-BA	PORTLAND CEMENT, TYPE IA	BBL.	136	139

* STEEL FABRIC REINFORCEMENT IS TO BE FURNISHED IN FLAT SHEETS



STEEL PLAN

SCALE: 1/8" = 1'-0"

BUILT ACCORDING TO PLAN

SUPERSTRUCTURE DETAILS

NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

PREPARED AND RECOMMENDED: E.J. Doyle Feb 19-53

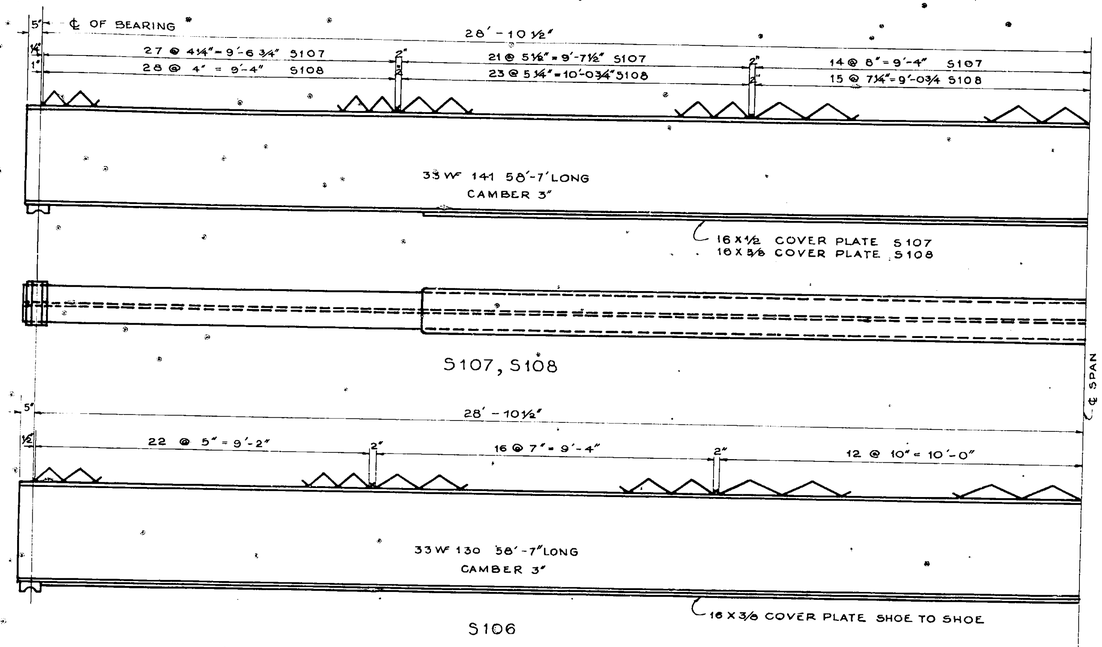
URQUHART & DOYLE, CONSULTING ENGINEERS — DATE

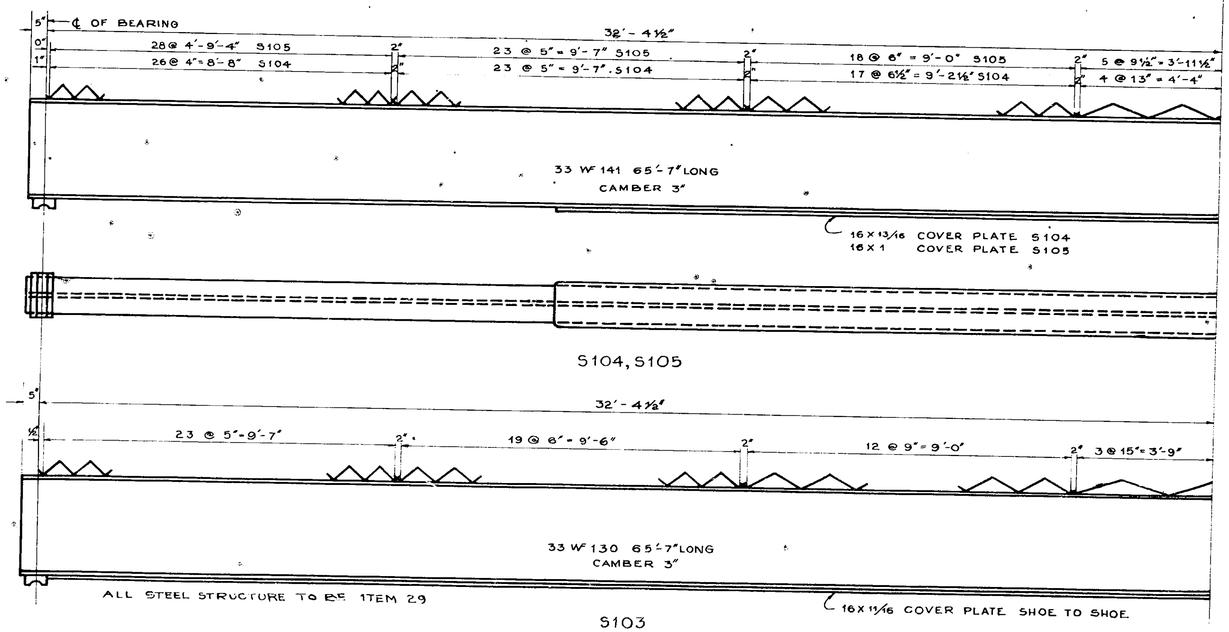
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SHEET 16

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			17	66
N.Y. STATE THRUWAY-ONTARIO SECTION SUB DIV 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				

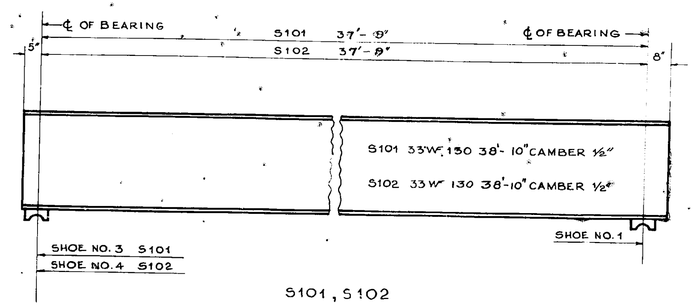




NOTE:
ALL COVER PLATES TO BE WELDED WITH 5/16" CONTINUOUS FILLET WELDS.

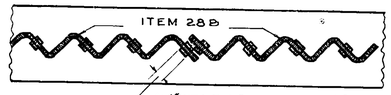
SCALE: ½" = 1'-0"; EXCEPT AS SHOWN

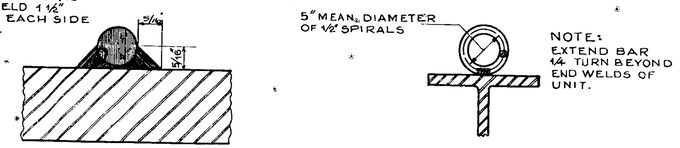
FOR SHOE DETAILS SEE SHEET 19
FOR FRAMING PLAN SEE SHEET 16



S101, S102

DO NOT PAINT SURFACE OF TOP FLANGE ON WHICH WELDS ARE MADE.





SPIRAL DETAILS
NOT TO SCALE
ALL SPIRAL SHEAR BARS ARE ITEM 28B

SPECIAL NOTES FOR SPIRAL REINFORCEMENTS

THE CONTRACTOR'S AND ENGINEER'S ATTENTION IS CALLED TO THE POSSIBILITY OF INTERFERENCE BETWEEN THE REINFORCING STEEL IN THE SLAB AND THE BEAM SPIRALS. WHILE STEEL SPACING IS GIVEN AS 5½ INCHES, IT IS TO BE UNDERSTOOD THAT 2 BARS IN EACH 0 FT. 11 IN. WILL FULFILL THIS REQUIREMENT IF NO TWO BARS ARE CLOSER THAN 1" LESS THAN REQUIRED SPACING OR FURTHER APART THAN 1" MORE THAN REQUIRED SPACING. IF NECESSARY, SOME BARS MAY BE THREADED THRU ONE OR MORE SPIRALS. ALL SPIRALS MUST HAVE TWO STRUCTURAL WELDS 5/16" X 1 1½" LONG, AT EACH SIDE OF THE BAR AS SHOWN. 5/32" OR 3/16" DIAMETER ELECTRODES SHALL BE USED IN WELDING THE SPIRAL BAR REINFORCEMENT. SPECIAL PRECAUTIONS MUST BE EXERCISED WHERE WELDING CROSSES EDGE OF FLANGE TO AVOID ANY POSSIBILITY OF UNDERCUT OR NICKS IN THE EDGE OF FLANGE.

PREPARED AND RECOMMENDED:

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

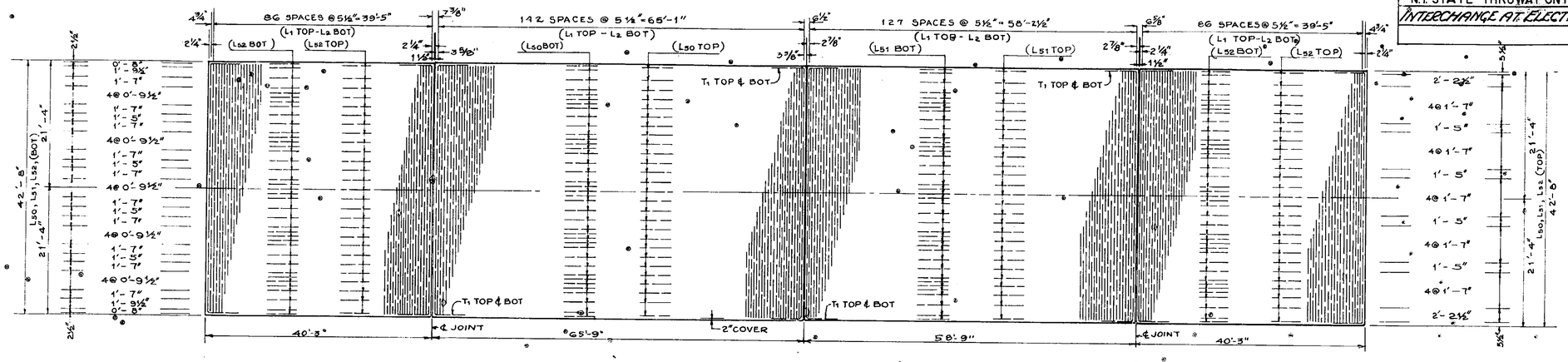
J Doyle Feb 19-53
DATE

SUPERSTRUCTURE DETAILS

NEW YORK STATE THRUWAY AND HOPKINS ROAD
TRAFFIC INTERCHANGE

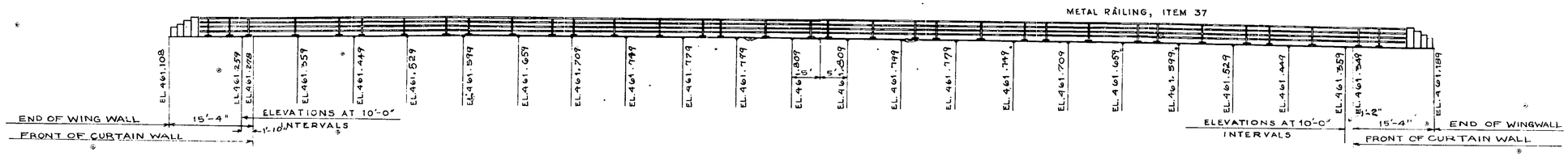
24:1

COUNTY		SHEET NO.	TOTAL SHEETS
ONONDAGA		18	66
N.Y. STATE THRUWAY-ONTARIO SECTION SUBDIV 8A			
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)			

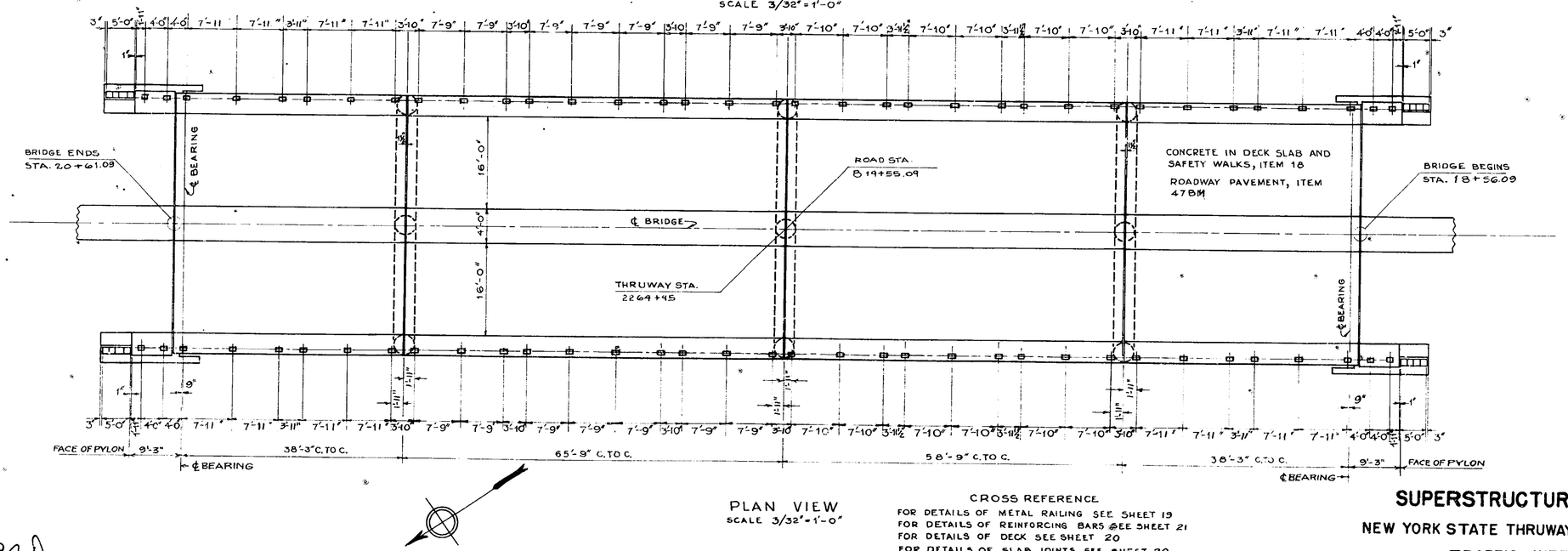


DECK SLAB DETAILS
SCALE 3/32"=1'-0"

ALL REINFORCING BARS ITEM 28
ALL REINFORCING BARS IN DECK SLAB 5/8"ϕ



FASCIA AND RAILING PROFILE
SCALE 3/32"=1'-0"



PLAN VIEW
SCALE 3/32"=1'-0"

CROSS REFERENCE
FOR DETAILS OF METAL RAILING SEE SHEET 19
FOR DETAILS OF REINFORCING BARS SEE SHEET 21
FOR DETAILS OF DECK SEE SHEET 20
FOR DETAILS OF SLAB JOINTS SEE SHEET 20

SUPERSTRUCTURE DETAILS

NEW YORK STATE THRUWAY AND HOPKINS ROAD
TRAFFIC INTERCHANGE

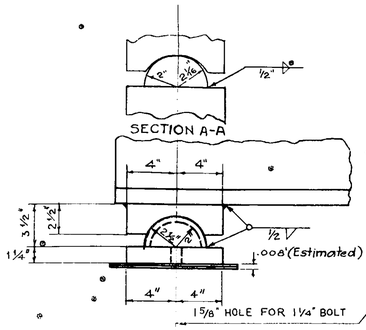
PREPARED AND RECOMMENDED: E J Doyle Feb 19 -53

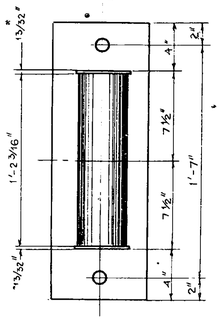
URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667 ®

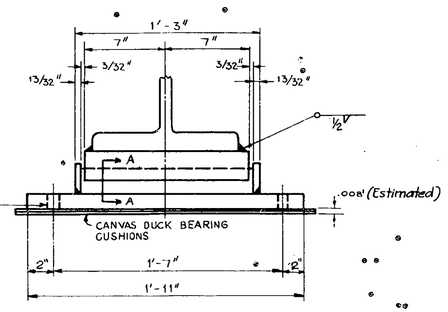
DATE

SHEET 18

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			19	66
N.Y. STATE THRUWAY ONTARIO SECTION SUBDIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				

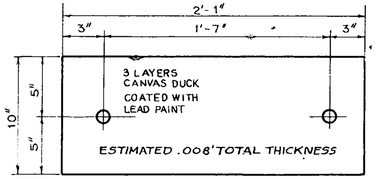




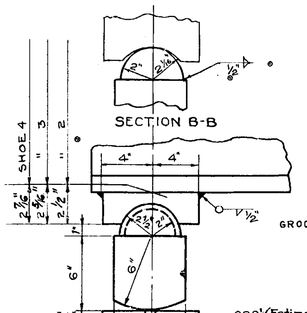


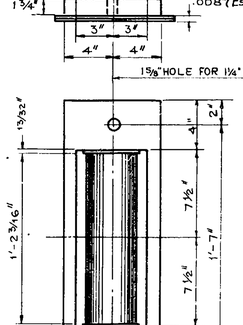
NOTE:
1/2" WELD ON ALL SHOES

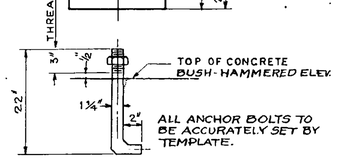
SHOE 1



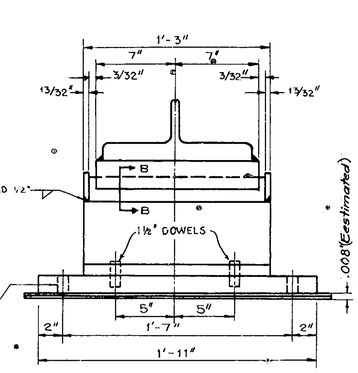
CANVAS DUCK BEARING CUSHION



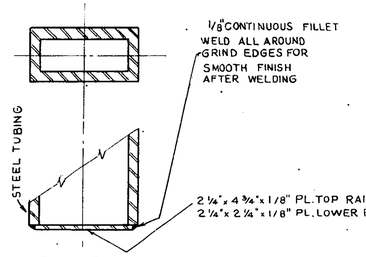




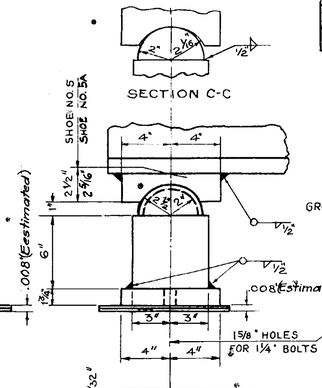
DETAIL OF ANCHOR BOLT

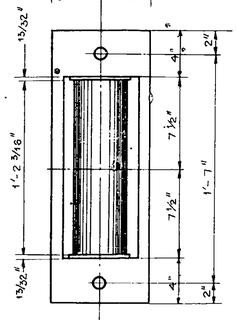


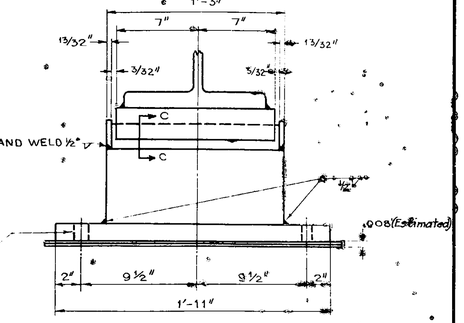
SHOES 2, 3, 4



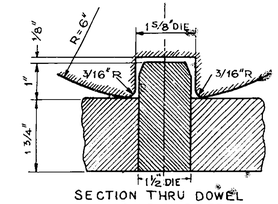
DETAIL AT ENDS
OF RAILS
NOT TO SCALE



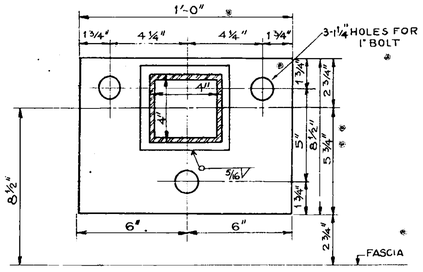




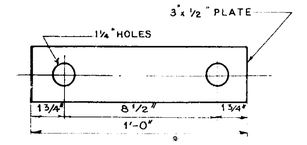
SHOE 5



SECTION THRU DOWEL
SCALE HALF SIZE



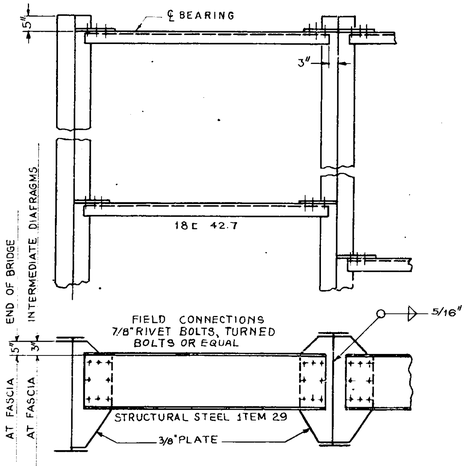
RAIL POST BASE PLATE
SCALE 3" = 1'-0"



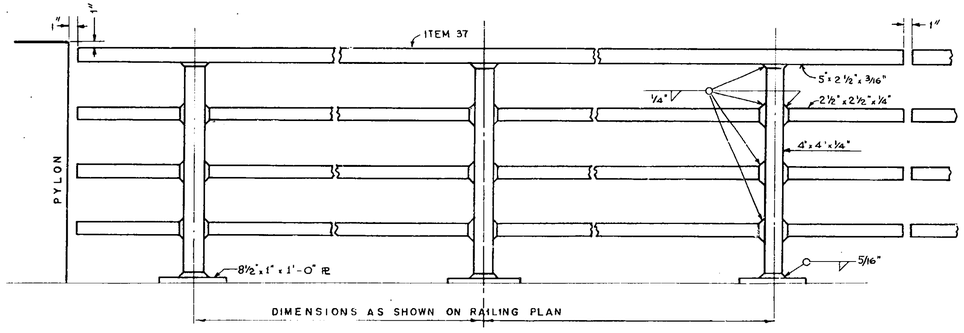
RAIL ANCHOR PLATE
SCALE 3" = 1'-0"

ALL SHOES ITEM 29

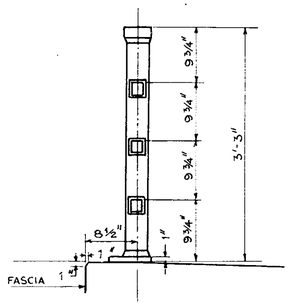
SCALE OF SHOES 2" = 1'-0"



TYPICAL DIAPHRAGM DETAILS



TYPICAL RAILING DETAIL
SCALE 1" = 1'-0"



SECTION THRU RAILING

NOTE:

WHERE STEEL EXCEEDING ONE INCH IN THICKNESS IS TO BE WELDED MILD STEEL ARC-WELDING ELECTRODES WITH COVERING OF LOW HYDROGEN TYPE SHALL BE USED

THESE ELECTRODES MUST COMPLY WITH A.S.T.M. (A233-48 T) REQUIREMENTS FOR CLASSIFICATION E 6015 OR E 6016

FOR NOTES AND DETAILS NOT SHOWN, SEE STD. SHEET 53-106.

PREPARED AND RECOMMENDED: E.J. Doyle Feb 16-53

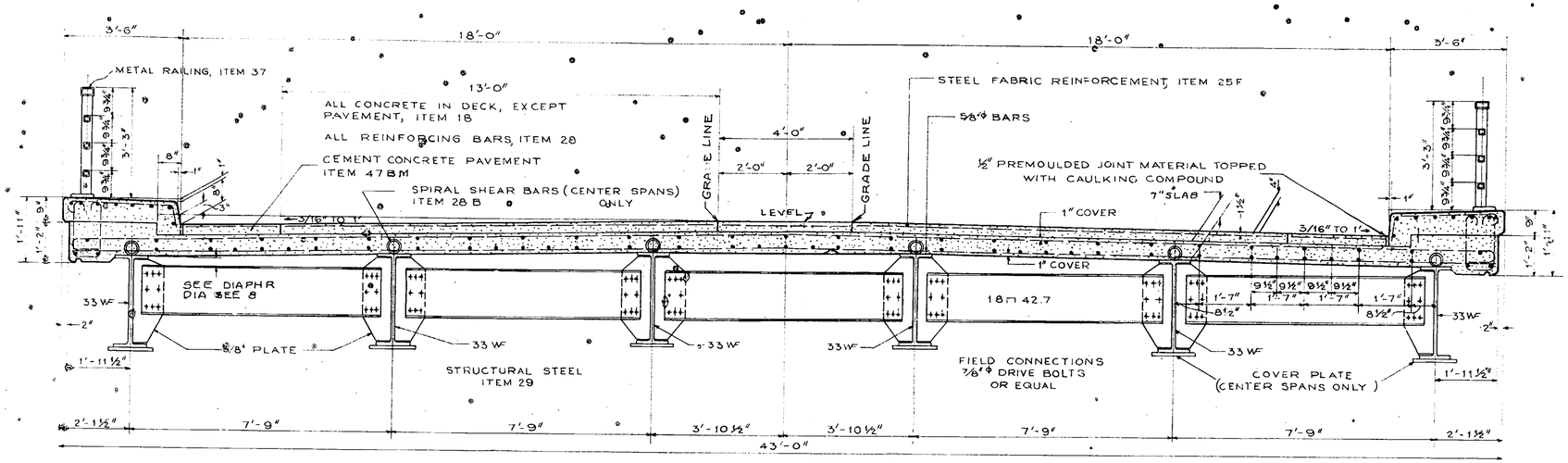
URQUHART & DOYLE CONSULTING ENGINEERS — DATE

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SUPERSTRUCTURE DETAILS

NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			20	66
N.Y. STATE THRUWAY–ONTARIO SECTION SUB DIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)				

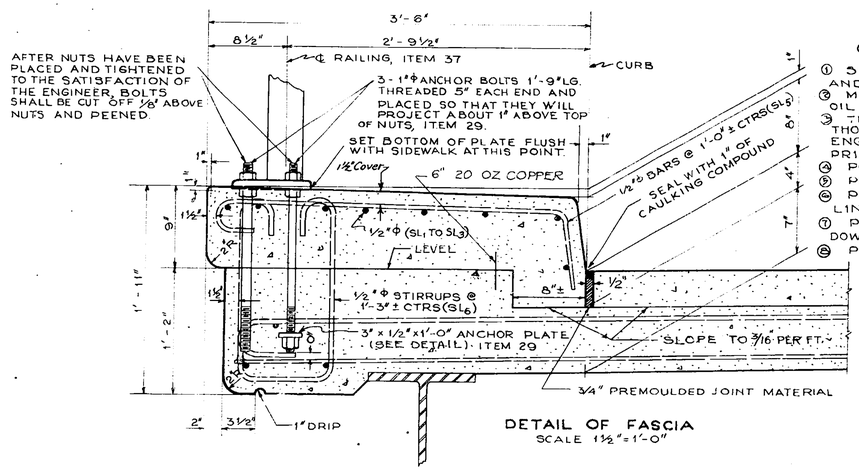


TRANSVERSE SECTION
SCALE ½"=1'-0"

NOTE:
IMMEDIATELY BEFORE PLACING CONCRETE PAVEMENT, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR IF THE AIR TEMPERATURE IS ABOVE 50°F. COST OF SAME TO BE UNDER

CEMENT IN ITEM 47BM TO BE PORTLAND CEMENT TYPE 1A, ITEM 15-8A

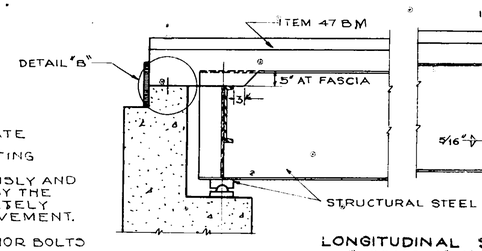
CEMENT IN ITEMS 18 & 19 TO BE 7 PARTS PORTLAND CEMENT TYPE 2, ITEM 15-2 AND ONE PART NATURAL CEMENT TYPE N- ITEM 15N.



DETAIL OF FASCIA
SCALE 1½"=1'-0"

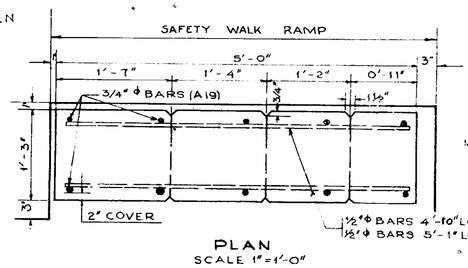
CONSTRUCTION PROCEDURE

① SET ANCHOR-BOLTS BY MEANS OF TEMPLATE AND POUR SLAB.
② MAKE TWO APPLICATIONS OF WATER-PROOFING OIL TREATMENT M 41-W TO TOP OF SLAB.
③ THE TOP OF THE SLAB SHALL BE CONTINUOUSLY AND THOROUGHLY WETTED DOWN, AS DIRECTED BY THE ENGINEER FOR AT LEAST ONE HOUR, IMMEDIATELY PRIOR TO THE PLACING OF THE ROADWAY PAVEMENT.
④ POUR ROADWAY PAVEMENT.
⑤ PLACE LOWER NUTS ON UPPER END OF ANCHOR BOLTS
⑥ PLACE RAILING ON LOWER NUTS AND ADJUST TO LINE AND GRADE.
⑦ PLACE UPPER NUTS ON ANCHOR BOLTS TIGHTEN DOWN ON PLATES.
⑧ POUR SIDEWALK TO PROPER LINE AND GRADE.

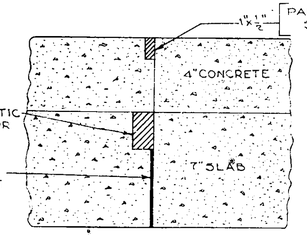


LONGITUDINAL SECTION
SCALE ½"=1'-0"

NOTE:
ALL DIAPHRAGMS SET LEVEL INTERMEDIATE DIAPHRAGMS PERPENDICULAR TO GIRDERS WITH TOPS 3" BELOW TOP OF FASCIA GIRDERS. TOPS OF END DIAPHRAGMS 5" BELOW TOP OF FASCIA GIRDERS.

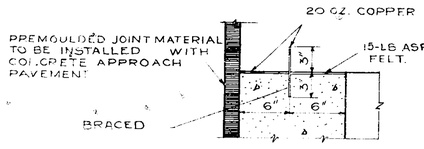


PLAN
SCALE 1"=1'-0"

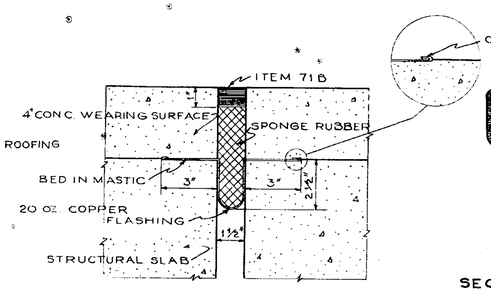


DETAIL OF JOINT OVER CENTER PIER
SCALE 3"=1'-0"

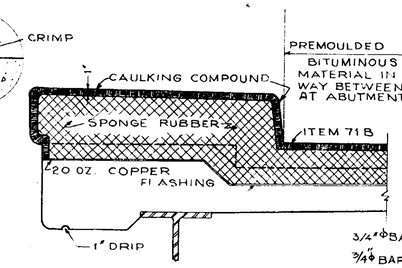
NOTE:
FLASHINGS OR WATERSTOPS ARE TO BE PROTECTED FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AS ORDERED BY THE ENGINEER. BENDING OR ALTERING THE SHAPE AS SHOWN IN ANY MANNER WILL NOT BE ALLOWED.



DETAIL B
SCALE 1½"=1'-0"

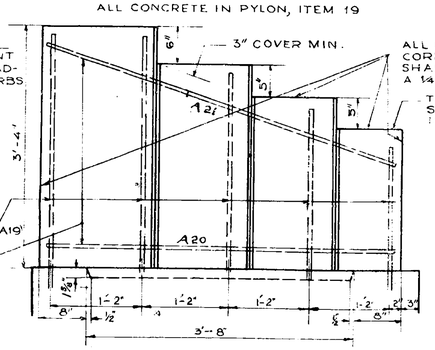


DETAIL OF JOINT OVER N-S PIERS
SCALE 3"=1'-0"



SECTION THRU SAFETY WALK AT JOINT
SCALE 1"=1'-0"

NOTE:
SPONGE RUBBER SHALL COMPLY WITH THE REQUIREMENTS FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE, A.S.T.M. DESIGNATION D 544.
ASPHALT ROOFING FELT SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF A.S.T.M., DESIGNATION D 226.



ELEVATION OF PYLON
SCALE 1"=1'-0"

SUPERSTRUCTURE DETAILS

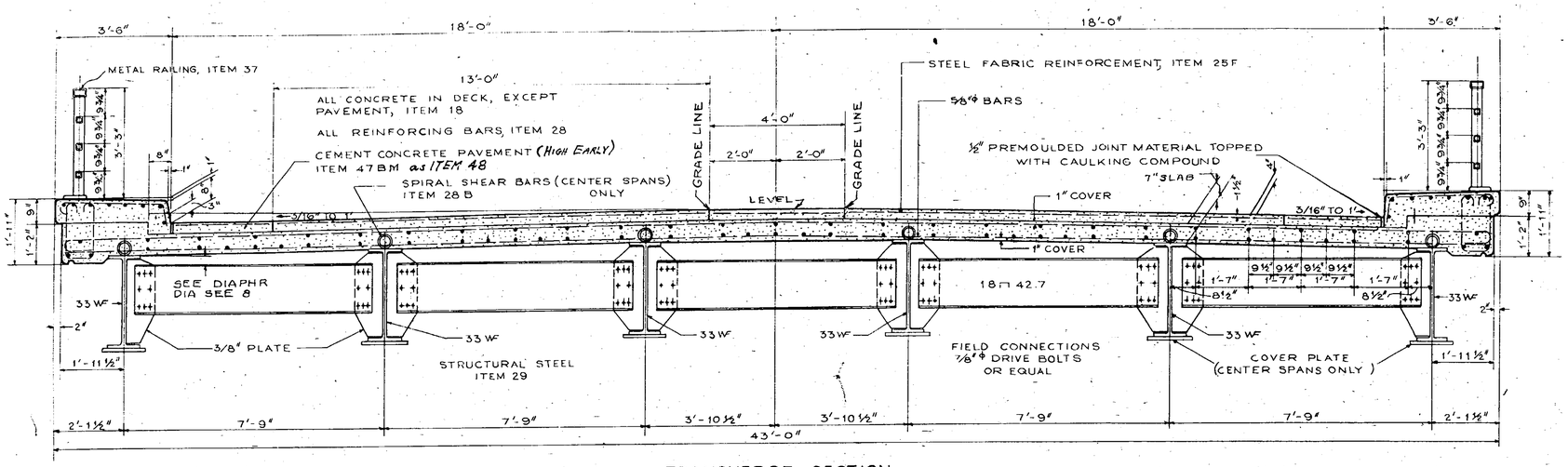
NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

PREPARED AND RECOMMENDED:
DOUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667
DATE Feb 19-63

SHEET 20

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			20	66
N.Y. STATE THRUWAY-ONTARIO SECTION SUB DIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY, (HOPKINS ROAD)				

20R

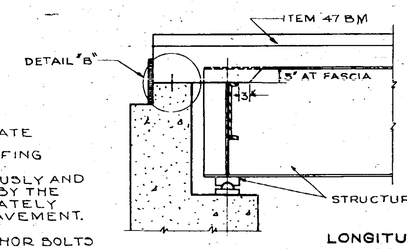


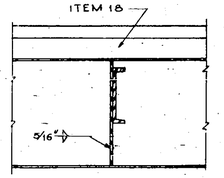
TRANSVERSE SECTION
SCALE ½"=1'-0"

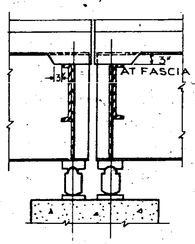
NOTE:
IMMEDIATELY BEFORE PLACING CONCRETE PAVEMENT, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR IF THE AIR TEMPERATURE IS ABOVE 50°F. COST OF SAME TO BE UNDER

CEMENT IN ITEM 47BM TO BE PORTLAND CEMENT TYPE 1A, ITEM 15-8A

CEMENT IN ITEMS 18 & 19 TO BE 7 PARTS PORTLAND CEMENT. TYPE 2, ITEM 15-2 AND ONE PART NATURAL CEMENT TYPE N - ITEM 15N.

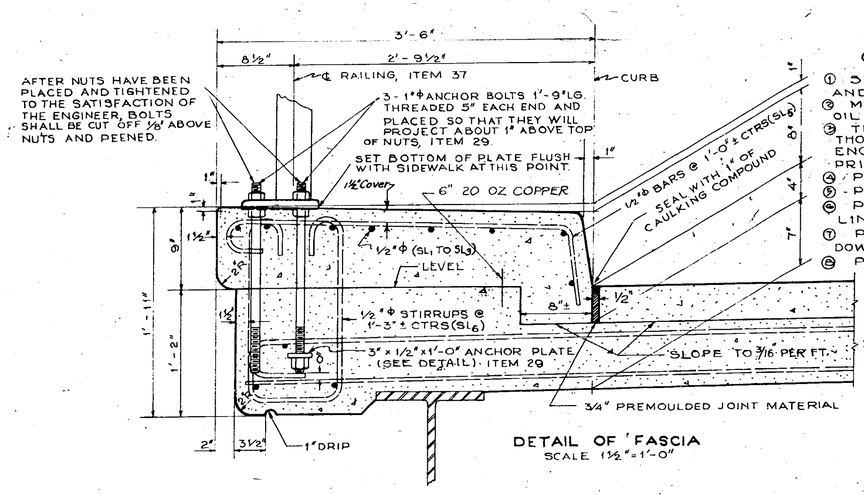






NOTE:
ALL DIAPHRAGMS SET LEVEL INTERMEDIATE DIAPHRAGMS PERPENDICULAR TO GIRDERS WITH TOPS 3" BELOW TOP OF FASCIA GIRDERS. TOPS OF END DIAPHRAGMS 5" BELOW TOP OF FASCIA GIRDERS.

LONGITUDINAL SECTION
SCALE ½"=1'-0"



DETAIL OF FASCIA
SCALE 1½"=1'-0"

CONSTRUCTION PROCEDURE

① SET ANCHOR-BOLTS BY MEANS OF TEMPLATE AND POUR SLAB.
② MAKE TWO APPLICATIONS OF WATER-PROOFING OIL TREATMENT M 41-W TO TOP OF SLAB.
③ THE TOP OF THE SLAB SHALL BE CONTINUOUSLY AND THOROUGHLY WETTED DOWN, AS DIRECTED BY THE ENGINEER FOR AT LEAST ONE HOUR, IMMEDIATELY PRIOR TO THE PLACING OF THE ROADWAY PAVEMENT.
④ POUR ROADWAY PAVEMENT.
⑤ PLACE LOWER NUTS ON UPPER END OF ANCHOR BOLTS
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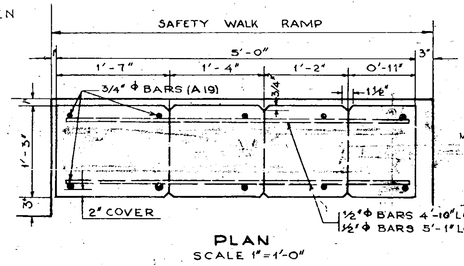
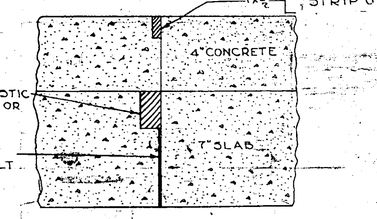
⑦ PLACE UPPER NUTS ON ANCHOR BOLTS TIGHTEN DOWN ON PLATES.
⑧ POUR SIDEWALK TO PROPER LINE AND GRADE.



PLAN
SCALE 1"=1'-0"



DETAIL OF JOINT OVER CENTER PIER
SCALE 3"=1'-0"

NOTE:
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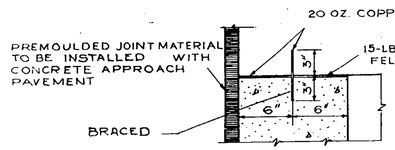
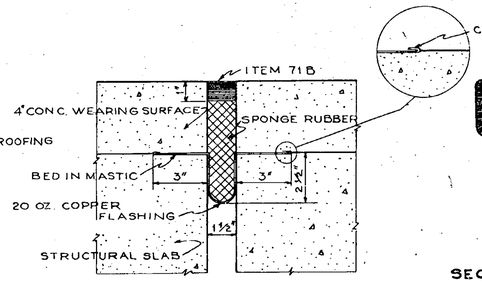
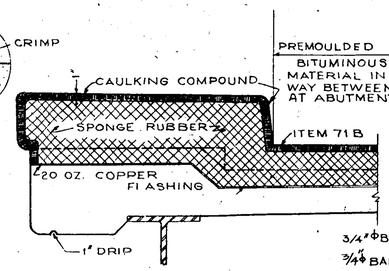


DETAIL B
SCALE 1½"=1'-0"

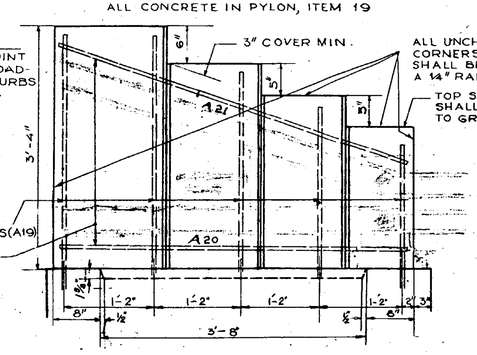


DETAIL OF JOINT OVER N-S PIERS
SCALE 3"=1'-0"



SECTION THRU SAFETY WALK AT JOINT
SCALE 1"=1'-0"

NOTE:
SPONGE RUBBER SHALL COMPLY WITH THE REQUIREMENTS FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE, A.S.T.M. DESIGNATION D 544.
ASPHALT ROOFING FELT SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF A.S.T.M., DESIGNATION D 226.



ELEVATION OF PYLON
SCALE 1"=1'-0"

PREPARED AND RECOMMENDED:

J. Stuart Doyle Feb 19-53
DATE

J. STUART DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

BUILT ACCORDING TO PLAN

SUPERSTRUCTURE DETAILS

NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			21	66
N.Y. STATE THRUWAY ONTARIO SECTION SUBDIV. 8A				
INTERCHANGE AT ELECTRONICS PARKWAY, (HOPKINS ROAD)				

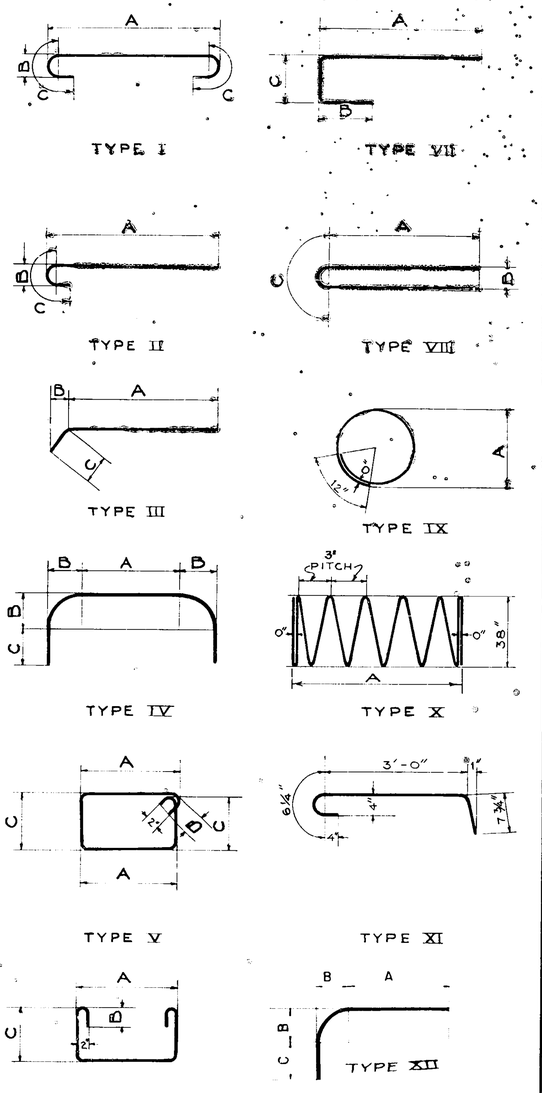
SUPERSTRUCTURE BAR LIST

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
L_1	5/8ϕ	420	43-8	I	42-5	0-5	0-10	DECK SLAB (TRANS) TOP
L_2	"	439	42-5	STR				" " (TRANS.) BOTT
L_{50}	5/8ϕ	132	33-9	STR				DECK SLAB (LONG) TOP & BOTT
L_{51}	"	132	30-3					" " " " " "
L_{52}	"	132	39-10					" " " " " "
T_1	5/8ϕ	32	25-8	III	22-3	0-0	3-6	DECK SLAB (ENDS) TOP & BOTT
SL_1	1/2ϕ	32	33-9	STR				SIDEWALK (LONG) LONG CTR SPAN
SL_2		32	30-3					(LONG) SHORT " "
SL_3		32	39-10					(LONG) END SPANS
SL_5		408	4-6	XI				(TRANS) ALL
SL_6		336	4-7	VI	0-10	0-3	1-7	TO SLAB " Stirrups
A21	3/4ϕ	8	4-8	STR				PYLONS LONG
A20	3/4ϕ	8	5-1	"				"

SUBSTRUCTURE BAR LIST

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
AF1	3/4ϕ	80	9-3	STR				ABUT FOOTINGS
AF2		48	6-8					
AF3		72	11-4					
AF4		24	46-0					
AF5		48	17-0					
AF6	1/2 ϕ	112	5-2					
PF1	1ϕ	108	8-0	II	7-0	0-8	1-4	PIER FOUNDATION
PF2	3/4ϕ	48	7-0	I &	5-6	C-6	1-0	
PF3	7/8ϕ	40	10-3	I	8-6	0-7	1-2	
PF4	3/4ϕ	28	7-6	I	6-0	0-6	1-0	
PF5	7/8ϕ	22	10-9	I	9-0	0-7	1-2	
A1	3/4ϕ	16	45-6	STR				ABUT BACKWALLS
A2		12	18-1	VII	15-0	2-6	0-6½	WING WALLS
A2a		4	19-8	III	15-0	0-0	4-8	
A3		16	19-6	VII	11-10	3-0	4-6½	
A6	1/2ϕ	28	4-8	STR				
A7		8	6-10					
A8		8	12-0					
A4		48	9-2	XI	2-4	0-4	3-8	BRIDGE SEATS
A19	3/4ϕ	40	6-0	STR				VERT. PYLONS
P1	1ϕ	36	18-3	STR				N. PIER VERT. IN COLS.
P2		36	18-10					C " " "
P3		36	20-8					S " " "
P4	1/4ϕ	60	30-0	X	14-4			N " SPIRALS IN COLS.
P5		64	30-0		16-1			C
P6		68	30-0		16-10			S
P7	1⅛ϕ	24	11-0	STR				PIER BEAM BOTT.
P8		6	48-4	II	42-2	2-10		PIER GDRS "
P8A		6	38-0	STR				"
P9		12	29-9	XII	25-1	1-6	2-3	TOP "
P9A		12	30-6		25-10	1-6	2-3	"
P10		12	9-4		4-9	1-6	2-3	"
P11		6	9-8		5-1	1-6	2-3	"
P17	5/8 ϕ	18	39-0	STR	-			
P18	"	30	10-3	VIII	2-11	2-10	4-5	
P19	"	168	13-8	V	2-1	0-3	3-8	
P15	1/2 ϕ	72	1-6	STR				
P16	"	36	10-0	V	2-0	0-3	2-8	PADS
P1-1	1ϕ	160	3-10	II	2-10	0-8	1-4	ALL PILES

BAR DETAILS



ALL REINFORCING BARS ITEM 28

BAR LIST

NEW YORK STATE THRUWAY AND HOPKINS ROAD

TRAFFIC INTERCHANGE

PREPARED AND RECOMMENDED:

C J Doyle Feb 17-53

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

DATE

COUNTY				SHEET NO.	TOTAL SHEETS
ONONDAGA				21	66
N.Y. STATE THRUWAY ONTARIO SECTION SUBDIV. 8A.					
INTERCHANGE AT ELECTRONICS PARKWAY, (HOPKINS ROAD)					

SUPERSTRUCTURE BAR LIST

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
L_1	5/8 ϕ	~~420~~	43-8	I	42-5	0-5	0-10	DECK SLAB (TRANS) TOP
L_2	"	~~439~~	42-5	STR				" " (TRANS) BOTT
L_{50}	5/8 ϕ	132	33-9	STR				DECK SLAB (LONG) TOP & BOTT
L_{51}		132	30-3					" " " " "
L_{52}		132	39-10					" " " " "
T_1	5/8 ϕ	32	25-9	III	22-3	0-0	3-6	DECK SLAB (END) TOP & BOTT
SL_1	1/2 ϕ	32	33-9	STR				SIDEWALK (LONG) LONG CTR SPAN
SL_2		32	30-3					(LONG) SHORT " "
SL_3		32	39-10					(LONG) END SPANS
SL_5		408	4-6	XI				..... (TRANS) ALL
SL_6		336	4-8	VI	0-10	0-3	1-7	TO SLAB " " Stirrup
A21	3/4 ϕ	8	4-8	STR				PYLONS LONG.
A20	3/4 ϕ	8	5-1	"				" "

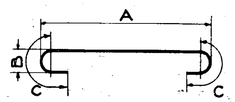
MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION

SUBSTRUCTURE BAR LIST

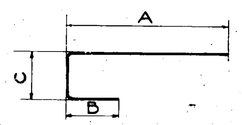
MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
AF1	3/4 ϕ	80	9-3	STR				ABUT FOOTINGS
AF2		48	6-8					
AF3		72	11-4					
AF4		24	46-0					
AF5		48	17-0					
AF6	1/2 ϕ	112	5-2					
PF1	1 ϕ	108	8-0	II	7-0	0-8	1-4	PIER FOUNDATION
PF2	3/4 ϕ	48	7-0	I	5-6	0-6	1-0	
PF3	7/8 ϕ	40	10-3	I	8-6	0-7	1-2	
PF4	3/4 ϕ	28	7-6	I	6-0	0-6	1-0	
PF5	7/8 ϕ	22	10-9	I	9-0	0-7	1-2	
A1	3/4 ϕ	16	45-6	STR				ABUT BACKWALLS
A2		12	18-1	VII	15-0	2-6	0-6½	WING WALLS
A2a		4	19-8	III	15-0	0-0	4-8	
A3		16	~~19-4~~	VII	11-10	3-0	4-6½	
A6	1/2 ϕ	28	4-8	STR				
A7		8	6-10					
A8		8	12-0					
A4		48	9-4	XV	2-4	0-9	3-2	BRIDGE SEATS
A19	3/4 ϕ	40	6-0	STR				VERT. PYLONS
P1	1" ϕ	36	18-3	STR				N. PIER VERT. IN COLS.
P2		36	19-10					C " " "
P3		36	20-8					S " " "
P4	1/4 ϕ	60	30-0	X	14-4			N SPIRALS IN COLS.
P5		64	30-0		16-1			C
P6		68	30-0		16-10			S
P7	1 3/8" ϕ	24	11-0	STR				PIER BEAM BOTT.
P8		6	48-4	II	42-2	2-10		PIER GDRS "
P8A		6	39-0	STR				"
P9		12	29-9	XII	25-1	1-6	2-3	" TOP
P9A		12	30-6		25-10	1-6	2-3	"
P10		12	9-5		4-9	1-6	2-3	"
P11		6	9-9		5-1	1-6	2-3	"
P17	5/8 ϕ	18	39-0	STR				
P18	"	30	10-3	VIII	2-11	2-10	4-3	
P13	"	168	12-0	V	2-1	0-3	3-8	
P15	1/2 ϕ	72	1-6	STR				
P16	"	36	9-10	V	2-0	0-3	2-8	PADS
P1-1	1 ϕ	160	3-10	II	2-10	0-8	1-4	ALL PILES

21R

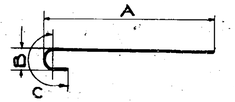
BAR DETAILS



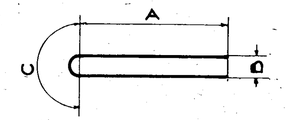
TYPE I



TYPE VII



TYPE II



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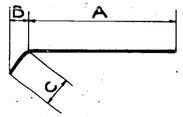

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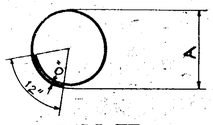

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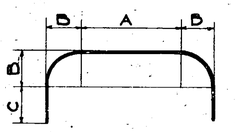
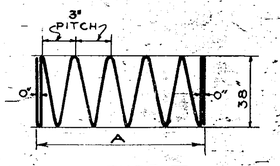


TYPE IV



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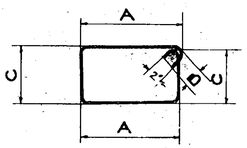
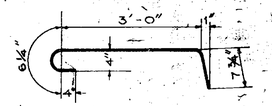
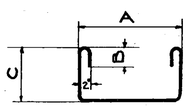


TYPE V



TYPE XI



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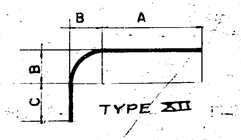


TYPE XII

ALL REINFORCING BARS ITEM 28

BAR LIST

NEW YORK STATE THRUWAY AND HOPKINS ROAD TRAFFIC INTERCHANGE

PREPARED AND RECOMMENDED: F. J. Doyle Feb 19-63

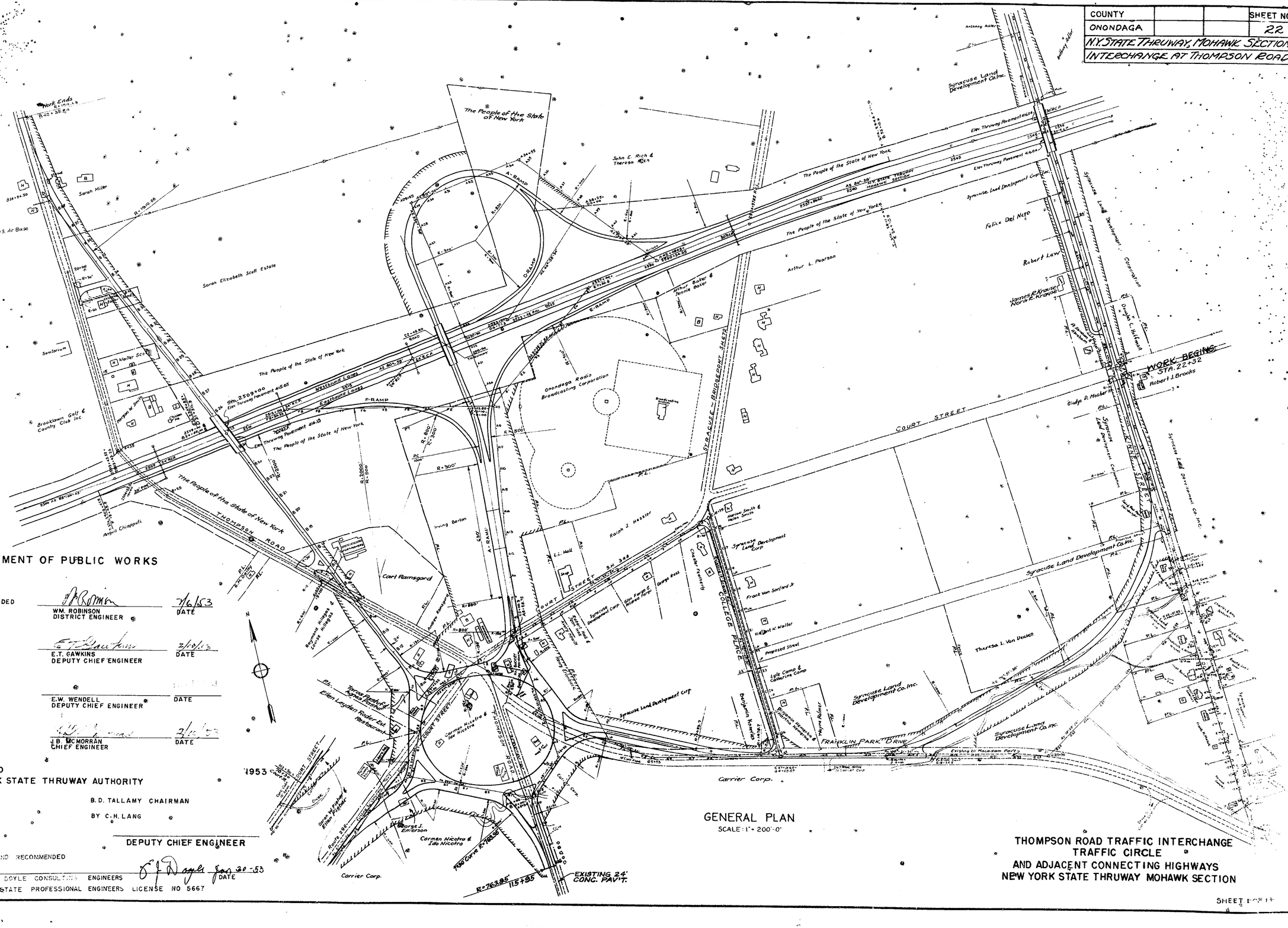
URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667 DATE

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			22	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88

INTERCHANGE AT THOMPSON ROAD



DEPARTMENT OF PUBLIC WORKS

RECOMMENDED — WM. ROBINSON, DISTRICT ENGINEER — DATE 7/6/53

APPROVED — E.T. GAWKINS, DEPUTY CHIEF ENGINEER — DATE 7/10/53

E.W. WENDELL, DEPUTY CHIEF ENGINEER — DATE

J.B. McMORRAN, CHIEF ENGINEER — DATE 7/14/53

APPROVED
NEW YORK STATE THRUWAY AUTHORITY

B.D. TALLAMY CHAIRMAN

BY C.H. LANG

DEPUTY CHIEF ENGINEER

1953

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS — DATE Jan 30-53

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

GENERAL PLAN

SCALE: 1" = 200'-0"

THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

SHEET 1 OF 13

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			22	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B

INTERCHANGE AT THOMPSON ROAD

22R

D.T. 55-3, M.T. 55-3, S.T. 55-33, P.C. 55-33

B 4+135.94

Work Ends
R=1910.08
B 40+39.94

The People of the State of New York

John E. Rich & Theresa Rich

Sarah Miller

Sarah Elizabeth Scott Estate

U.S. Air Base

Sanitarium

Walter Scott

Morgan W. Smith

Brooklawn Golf & Country Club Inc.

Sta. 2509+00
Elev. Thruway Pavement 416.65

Eastbound Lanes

Westbound Lanes

Elev. Thruway Pavement 416.39

The People of the State of New York

THOMPSON ROAD

Angelo Chappuli

Onondaga Radio Broadcasting Corporation

Broadcasting

Arthur Baker & Jennie Baker

Arthur L. Pearson

The People of the State of New York

AS 80'-38' NEW YORK STATE THRUWAY STANDARD SECTION

Elev. Thruway Pavement 416.04

Syracuse Land Development Corp.

Felice Del Nero

Robert Law

James E. Krause & Norma E. Krause

Dwight C. Hoffman

WORK BEGINS STA. 22+32

Robert J. Brooks

Gladys D. Mosher

Syracuse Land Development Corporation

COURT STREET

Irving Berton

Carl Ramsgard

Laura Hughes & Laura Hughes

Elleen Leydiett Rodes Est. Restaurant

Tenant Reality & Agnes Realty

Carmen Nicotra & Ida Nicotra

Bourse J. Emerson

Carrier Corp.

EXISTING 24' CONC. PAVT.

Harlow Smith & Helen Smith

Syracuse Land Development Corp.

Frank Van Sanford Jr.

Vincent H. Waller

Inspector Street

Lyle Crane & Catherine Crane

Thomas L. Van Deusen

Syracuse Land Development Co. Inc.

Syracuse Land Development Co. Inc.

FRANKLIN PARK DRIVE

Existing 20' Hazadam Pvmt.

Carrier Corp.

ST. AGNES - BROADWAY STREET

COLLEGE PLACE

DEPARTMENT OF PUBLIC WORKS

RECOMMENDED — WM. ROBINSON, DISTRICT ENGINEER — 7/6/53 DATE

APPROVED — E.T. GAWKINS, DEPUTY CHIEF ENGINEER — 7/10/53 DATE

FEB 10 1953 DATE — E.W. WENDELL, DEPUTY CHIEF ENGINEER

2/10/53 DATE — J.B. MCMORRAN, CHIEF ENGINEER

APPROVED
NEW YORK STATE THRUWAY AUTHORITY

B.D. TALLAMY CHAIRMAN

BY C.H. LANG

DEPUTY CHIEF ENGINEER

PREPARED AND RECOMMENDED

JOHN F. DOYLE CONSULTING ENGINEERS — Jan 30 '53 DATE

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

GENERAL PLAN
SCALE: 1" = 200'-0"

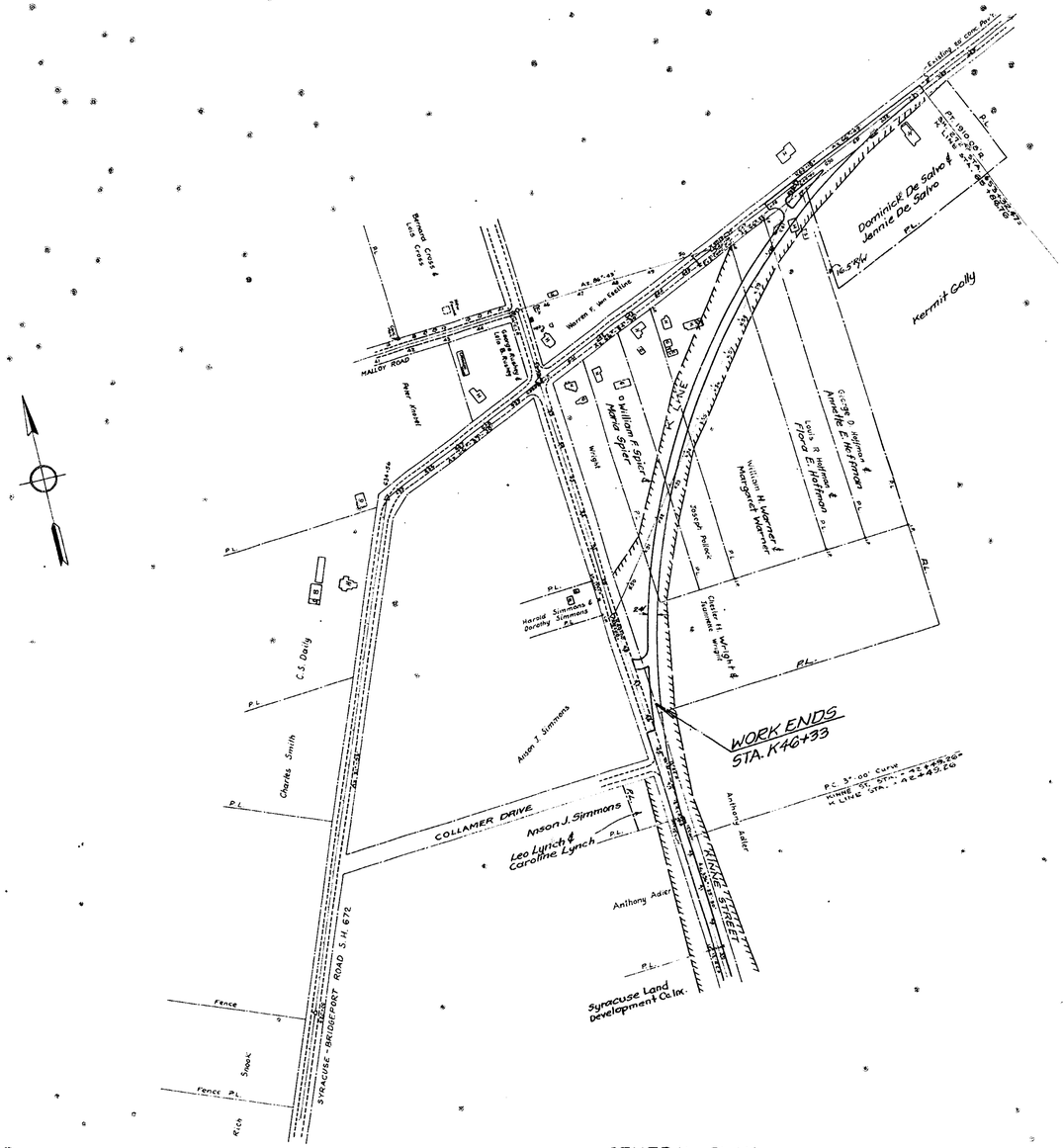
THOMPSON ROAD TRAFFIC INTERCHANGE TRAFFIC CIRCLE AND ADJACENT CONNECTING HIGHWAYS NEW YORK STATE THRUWAY MOHAWK SECTION

SHEET 1 OF 19

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			23	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 8B

INTERCHANGE AT THOMPSON ROAD



GENERAL PLAN

SCALE: 1" = 200'-0"

DEPARTMENT OF PUBLIC WORKS

RECOMMENDED _____ 7/6/53
WM. ROBINSON
DISTRICT ENGINEER
DATE

APPROVED _____ DATE
E.T. GAWKINS
DEPUTY CHIEF ENGINEER

_____ DATE
E.W. WENDELL
DEPUTY CHIEF ENGINEER

_____ 7/9/53
J.B. MC MORRAN
CHIEF ENGINEER
DATE

APPROVED _____ 16 1953
NEW YORK STATE THRUWAY AUTHORITY

B.D. TALLAMY CHAIRMAN

BY C.H. LANG
DEPUTY CHIEF ENGINEER

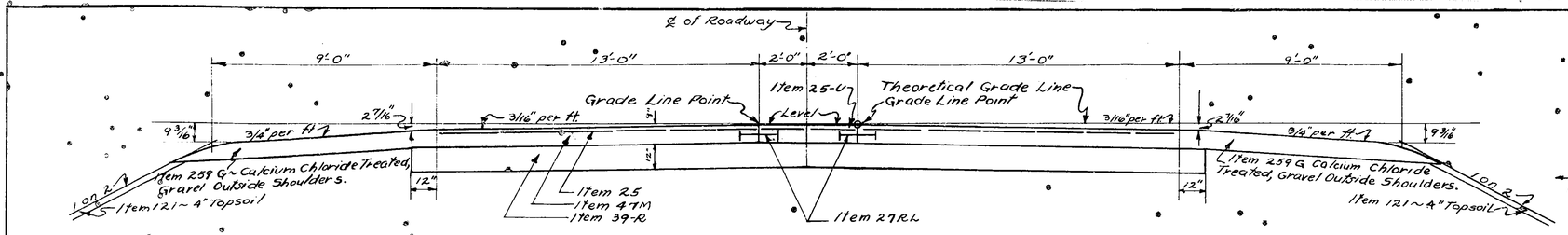
PREPARED AND RECOMMENDED _____ Jan 30-53
URQUHART & DOYLE CONSULTING ENGINEERS DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

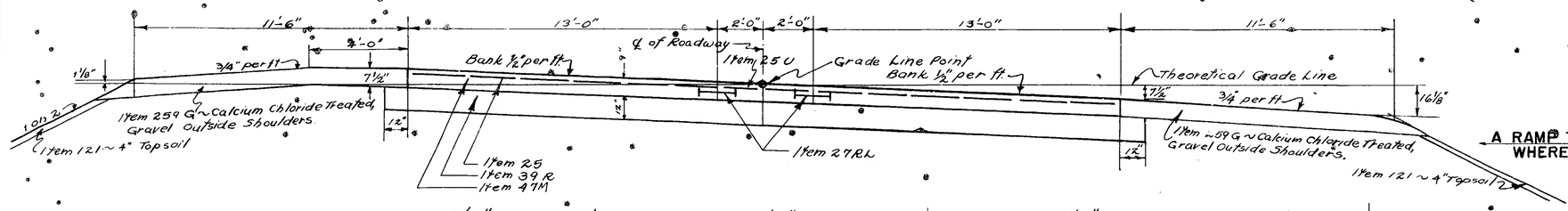
SHEET: ~~2 OF 13~~

24:1

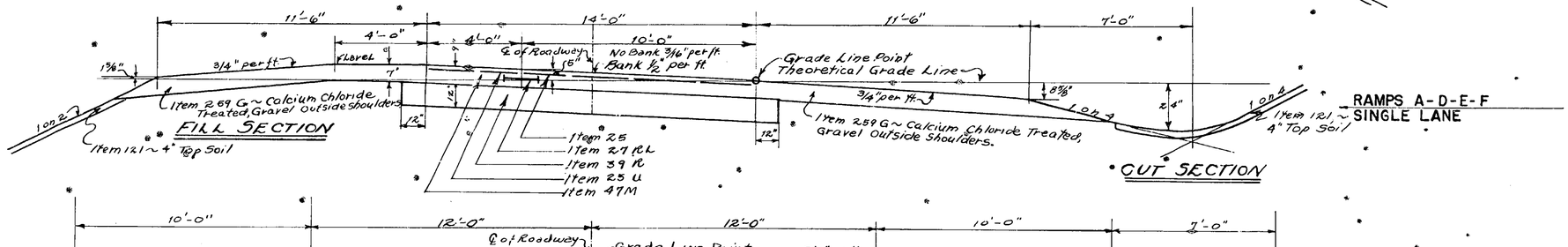
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			24	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				



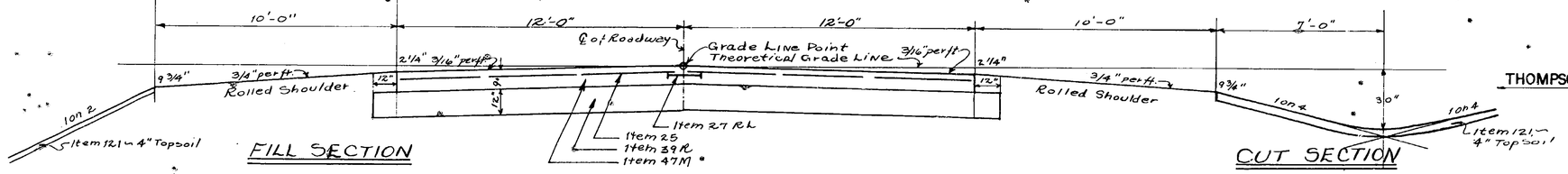
A RAMP TO STA. 34 + 72.37
WHERE NOT BANKED



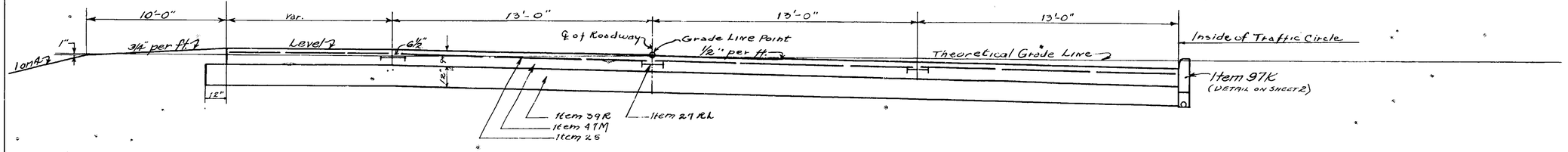
A RAMP TO STA. 34 + 72.37
WHERE BANKED



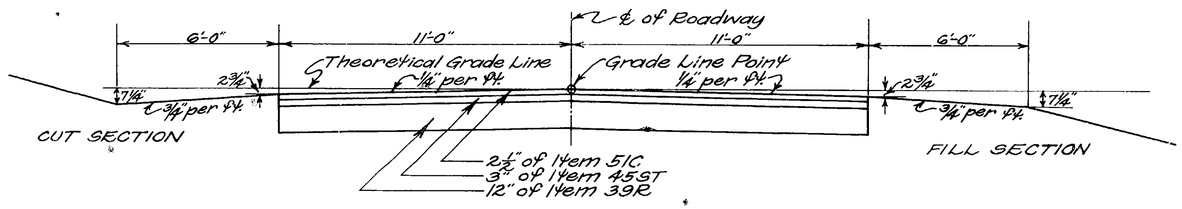
RAMPS A-D-E-F
SINGLE LANE



THOMPSON ROAD - KINNE ST. - CONNECTING ROADS



TRAFFIC CIRCLE



COLLEGE PLACE

PREPARED AND RECOMMENDED:

URQUHART & DOYLE CONSULTING ENGINEERS — DATE Feb 16 - 53
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

SHEET

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			25	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV.				
INTERCHANGE AT THOMPSON ROAD				

TRAFFIC CIRCLE NOT IN THIS CONTRACT

TRAFFIC CIRCLE
SCALE: 1" = 50'-0"

THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

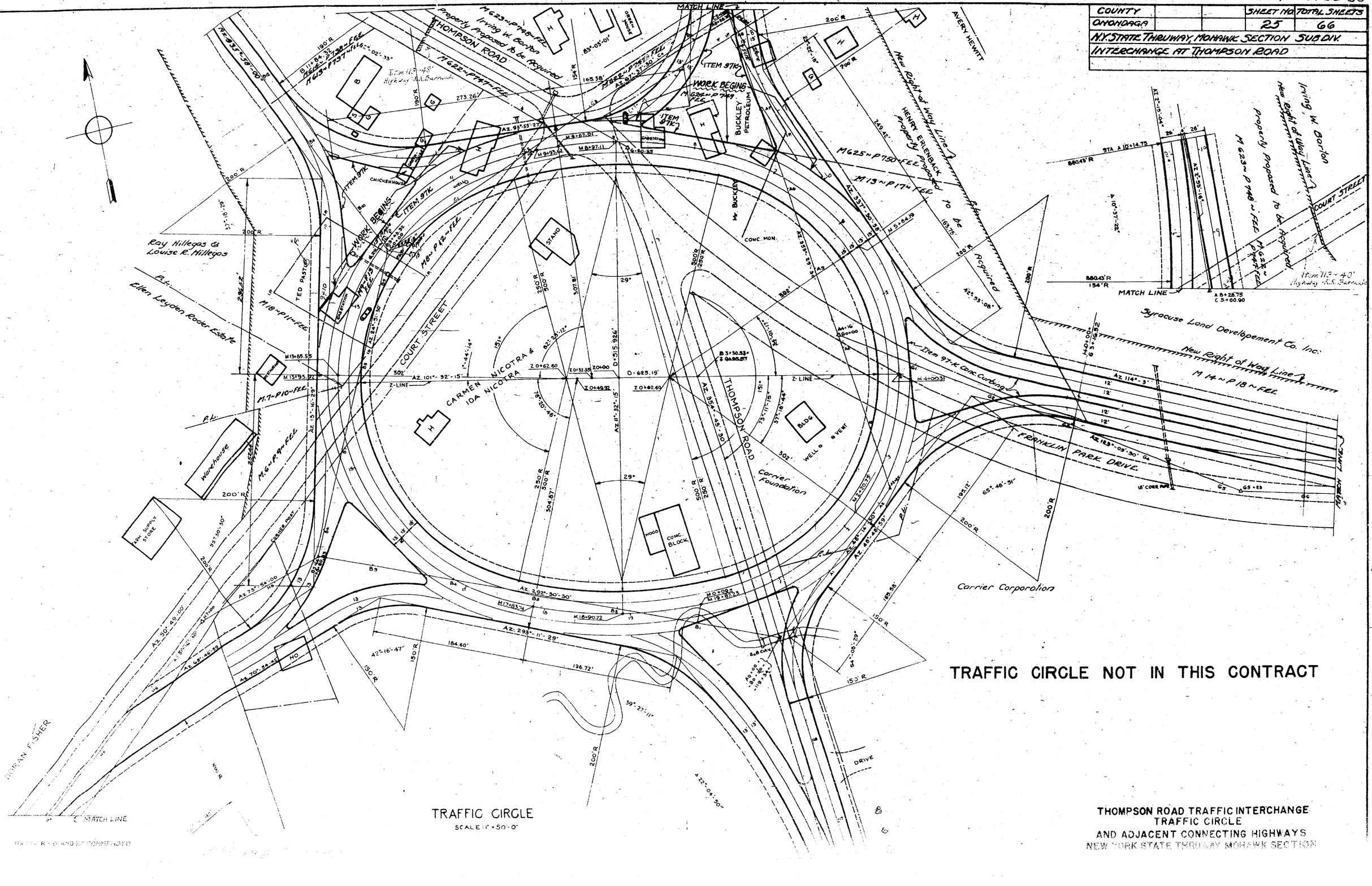
PREPARED AND RECOMMENDED

UQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SHEET 3 OF 13

O.T. 53-6, M.T. 53-8, S.T. 53-20, R.C. 53-36

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			25	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV.				
INTERCHANGE AT THOMPSON ROAD				



TRAFFIC CIRCLE NOT IN THIS CONTRACT

THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			26	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 8B

INTERCHANGE AT THOMPSON ROAD

130' left Sta. B34+00. Build 18" RCP Culv. 60' long. Dig necessary inlet & outlet ditches.
B.38+10. Build 18" RCP Culv. 60' long with "L" Shape headwall on inlet end.
B.37+58 ℄. Remove existing box culv. under road and build 24" RCP Culv. 88' long. Connect outlet end to existing 20" Conc. Pipe.

Remove existing 30" R.C. Pipe under Thompson Road, right of Sta. 2505 leaving stub end in D.I. located in Thruway South ditch. Leave open ditch
Relay 100ft. of 30" R.C.P. 78' South of Thruway base line Sta. 2509+30 from Sta. 2505

Remove existing 24" R.C. Pipe in Thruway south ditch from Sta. F10+09 ed. ~ F10+89 ed. along with "U" shape H.W.

F10+06 ed. Remove D.I. in Thruway south ditch. Extend Thruway culvert pipe in a southerly direction 20 ft. by relaying with pipe from Sta. F10+09 ed. ~ F10+89 ed.

SCALE 1" = 100'-0"

THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS — DATE

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

SHEET

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			26	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

26R

See prints of Maps 497 and 623 for offsets

130' left Sta. B 34+00. Build 18" RCP Culv. 60' long. Dig necessary inlet & outlet ditches.
B 38+10. Build 18" RCP Culv. 60' long with "L" shape headwall on inlet end.
✓ B 38+58 ℓ. Remove existing box culv. under road and build 24" RCP Culv. 88' long. ~~Connect outlet end to existing 30" Conc. Pipe.~~ Built D.I. at junction with 20" Conc. Pipe

~~Remove existing 30" R.C. Pipe under Thompson Road, right of Sta. 2505 leaving stub end in D.I. located in Thruway South ditch. Leave open ditch~~
~~Relay 100 ft. of 30" R.C.P. 89° South of Thruway base line Sta. 2509+30 from Sta. 2505~~

✓ Remove existing 24" R.C. Pipe in Thruway south ditch from Sta. F 10+09 ed. ~ F 10+89 ed. along with "U" shape H.W.

✓ F 10+06 ed. Remove D.I. in Thruway south ditch. Extend Thruway culvert pipe in a southerly direction 20 ft. by relaying with pipe from Sta. F 10+09 ed. ~ F 10+89 ed.

SCALE: 1" - 100'-0"

THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

SHEET

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS — DATE

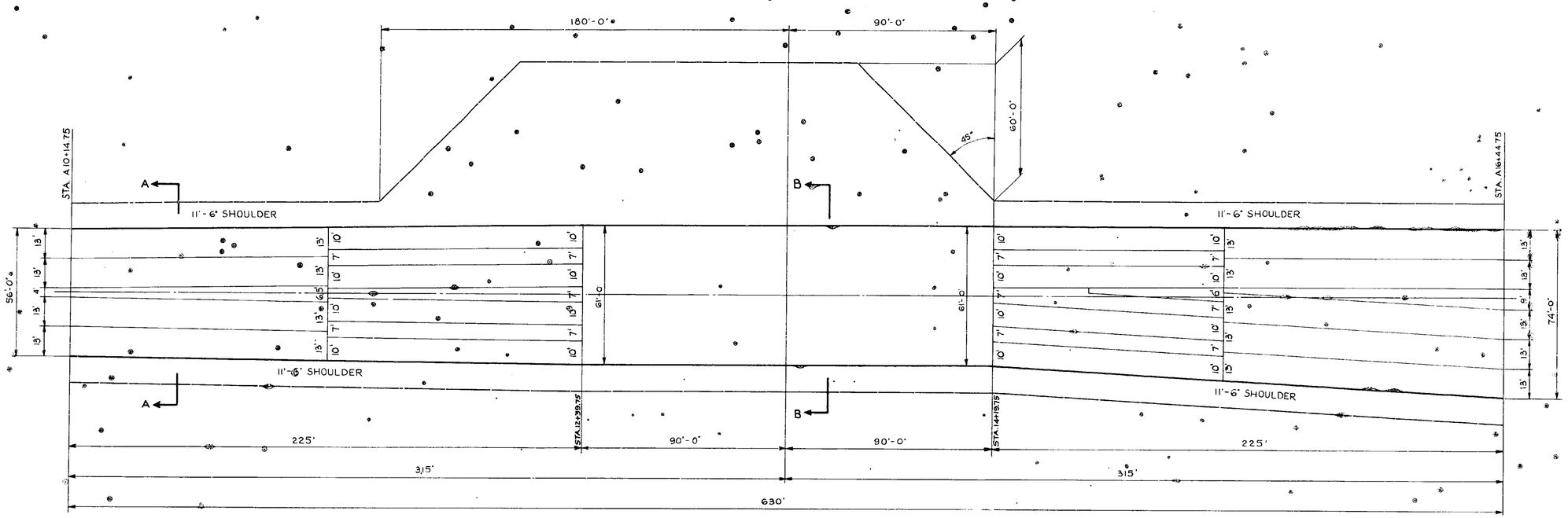
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

24:1


COUNTY | SHEET NO. | TOTAL SHEETS
ONONDAGA | 27 | 66
N.Y. STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8B
INTERCHANGE AT THOMPSON ROAD
COLLEGE PLACE
SYRACUSE - BRIDGEPORT S.H. 672
John E. Rich & Theresa Rich
Arthur Baker & Jennie Baker
The People of the State of New York
A RAMP
D RAMP
E RAMP
AREA A
AREA B
AREA C
AREA D
SLOPE AREA B TOP OF BACK SLOPE
M627~P752
M626~P751
M623~P748
M625~P750
M13~P17
Sta. 32+70 Ed. Relay 60' of 30" RCP from Sta. 2503+96 – 2505+56 and lay 16' of new 30" RCP to build culv. 76' long.
E4+40 Ed. Build 24" RCP Culv. 88' long. Dig necessary inlet & outlet ditches. Deepen existing ditch on left to new culv. at A20+80E.
A20+80E. Build 24" RCP Culv. 112' long. Dig necessary outlet & inlet ditches.
STA. 28+17 GUIDE RAIL ENDS
STA. 28+67 GUIDE RAIL ENDS
New R.O.W. Line
Broadcasting Station
Onondaga Radio Broadcasting Corporation
Ralph J. Hessler
L.L. Hall
Shop
WORK BEGINS ON COLLEGE PLACE AT EDGE OF PAVT.
EXISTING 18' GRAVEL RD.
COLLEGE PLACE
AZ. 176°-40'-30"
Item 51C. Asphalt Concrete.
Harlow Smith & Helen Smith
Syracuse Development Corp.
Frank Van Sanford Jr.
Vincent K. Walker
Proposed Street
Lyle Camp & Catherine Camp
Chester Featherly
George Ross
Glen Fargo & Mildred Fargo
Syracuse Development Corporation
Robert Hall & Jean Hall
Avery Hewitt
Henry Erlenback
Benjamin Hemerka & Martha Hemerka
Benjamin Knowles
MATCHING LINE
FRANKLIN PARK DRIVE
C 27+01.60 = G11+05.89
WORK ENDS ON COLLEGE PLACE AT STA. C 26+89
COURT STREET S.H. 348
Property proposed to be acquired.
Irving W. Barton
Sarah Elizabeth Scott Estate
Westbound Lanes
Eastbound Lanes
100' Rt. Sta. 2516+72 build 50' of 5' wide Conc. Gutter. F6+78 Ed. Relay 60' of 24" RCP from Sta. F10+09 – F10+89 and lay 8' of new 24" RCP to build culv. 68' long, with headwall at inlet & D.I. with type "T" frame & grate at outlet. F7+28. Build "U" shape headwall with concrete apron in left ditch. Connect to D.I. left of Sta. F6+78 with 100 ft. of 24" RCP.
Greenhouse
Andrew Ramsgard
Carl Ramsgard
Ray Hillegas & Louise R. Hillegas
ITEM 97-K
AR RAMP
AL RAMP
BR RAMP
BL RAMP
SCALE: 1" = 100'-0"
PREPARED AND RECOMMENDED
Urquhart & Doyle Consulting Engineers
New York State Professional Engineers License No. 5667
Feb 16-53
THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION
SHEET


COUNTY
SHEET NO.
TOTAL SHEETS
ONONDAGA
27
66
N.Y. STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8B
INTERCHANGE AT THOMPSON ROAD
COLLEGE PLACE
27R
SYRACUSE - BRIDGEPORT S.H. 672
WORK BEGINS ON COLLEGE PLACE AT EDGE OF PAVT.
WORK ENDS ON COLLEGE PLACE AT STA. C 26+89
C 26+89
COLLEGE PLACE
EXISTING 18' GRAVEL RD.
AZ. 176°-40'-30'
Item 51C Asphalt Concrete.
Harlow Smith & Helen Smith
Syracuse Development Corp.
Frank Van Sanford Jr.
Vincent K. Walter
Proposed Street
Lyle Camp & Catherine Camp
Chester Featherly
George Ross
Glen Fargo & Mildred Fargo
Syracuse Development Corporation
Benjamin Hemerka & Martha Hemerka
Benjamin Knowles
FRANKLIN PARK DRIVE
C 27+01.60 = G 11+05.89
Ralph J. Hessler
Onondaga Radio Broadcasting Corporation
Broadcasting Station
R.O.W. Marker S.E. of Sign
A 19+03.8 ℄ = F 0+00 ℄ = E 0+00 ℄
14" E Ramp
4 Steel H-Beam Supports for Directional Sign
Property proposed to be acquired.
L.L. Hall
Shop
S.H. 848
COURT STREET
AZ. 71°-28'-30"
Robert Hall & Jean Hall
Avery Hewitt
A 8+28.75 = C 5+00.9
AR Ramp
Henry Erlenback
M 13 ~ P 17
M 625 ~ P 750
Item 113 ~ 48 Highway-R.R. Barricade
New R.O.W. Line
AR RAMP
Az. 353°-29'-30"
AZ. 354°-43-30'
ITEM 97-K
Greenhouse
Andrew Ramsgard
Carl Ramsgard
Ray Hillegas & Louise R. Hillegas
Irving W. Barton
M 623 ~ P 748
John E. Rich & Theresa Rich
Arthur Baker & Jennie Baker
The People of the State of New York
A RAMP
D RAMP
E RAMP
F RAMP
AREA A
AREA B
AREA C
AREA D
M 627 ~ P 752
M 626 ~ P 751
Az. 139°-28'
E4+40 Ed. Build 24" RCP Culv. 84' long. Dig necessary inlet & outlet ditches. Deepen existing ditch on left to new culv. at A20+80 ℄.
Sta. 32+70 Ed. Relay 60' of 30" RCP from Sta. 2503+96 - 2505+56 and lay 16' of new 30" RCP to build culv. 76' long.
① 67°32' E. Tower Top } WFBL Radio
② 79°22' W. Tower Top }
A 20+80 ℄. Build 24" RCP Culv. 116' long. Dig necessary outlet & inlet ditches.
STA. 28+17 GUIDE RAIL ENDS
STA. 28+67 GUIDE RAIL ENDS
A 29+25 ℄
Sarah Elizabeth Scott Estate
Westbound Lanes
Eastbound Lanes
100' Rt. Sta. 2516+72 build 50' of 5' wide Conc. Gutter.
F 6+78 Ed. Relay 60' of 24" RCP from Sta. F10+09 - F10+85 and lay 8' of new 24" RCP to build culv. 68' long, with headwall at inlet & D.I. with type "T" frame & grate at outlet.
F 7+28. Build "U" shape headwall with concrete apron in left ditch. Connect to D.I. left of Sta. F6+78 with 100 ft. of 24" RCP.
SCALE: 1" = 100'-0"
PREPARED AND RECOMMENDED
E. Doyle Feb 16-53
URQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667
THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION
SHEET

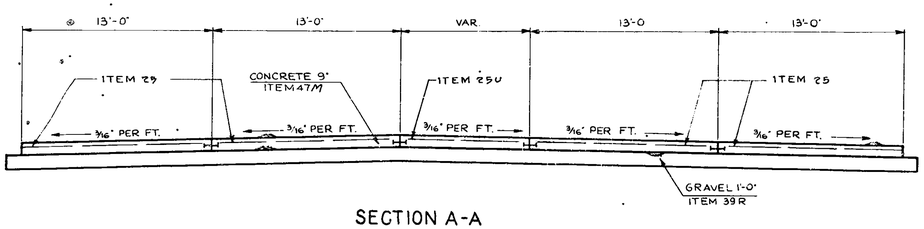
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			28	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88				
INTERCHANGE AT THOMPSON ROAD				



CONTROL AREA PLAN

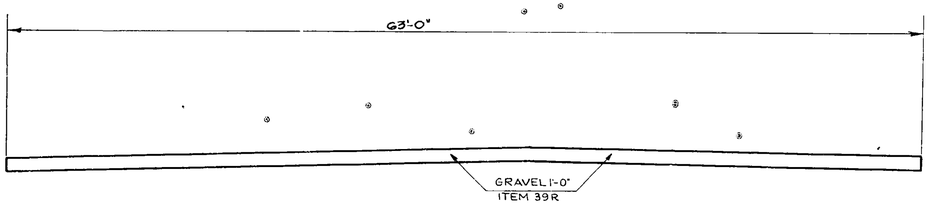
SCALE: 1" = 25'

STA. 12+39.75 to STA. 14+19.75 — Gravel Foundation Course Item 39R, 12" deep is to be placed. Cement Concrete Pavement Item 47M is to be omitted in this section.



SECTION A-A

SCALE: 1"=5'-0"



SECTION B-B

SCALE: 1"=5'-0"

PREPARED AND RECOMMENDED

URQUHART & COYLE CONSULTING ENGINEERS — DATE Feb 16-53

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

CONTROL AREA PLAN

THOMPSON ROAD INTERCHANGE

MOHAWK SECTION

NEW YORK STATE THRUWAY

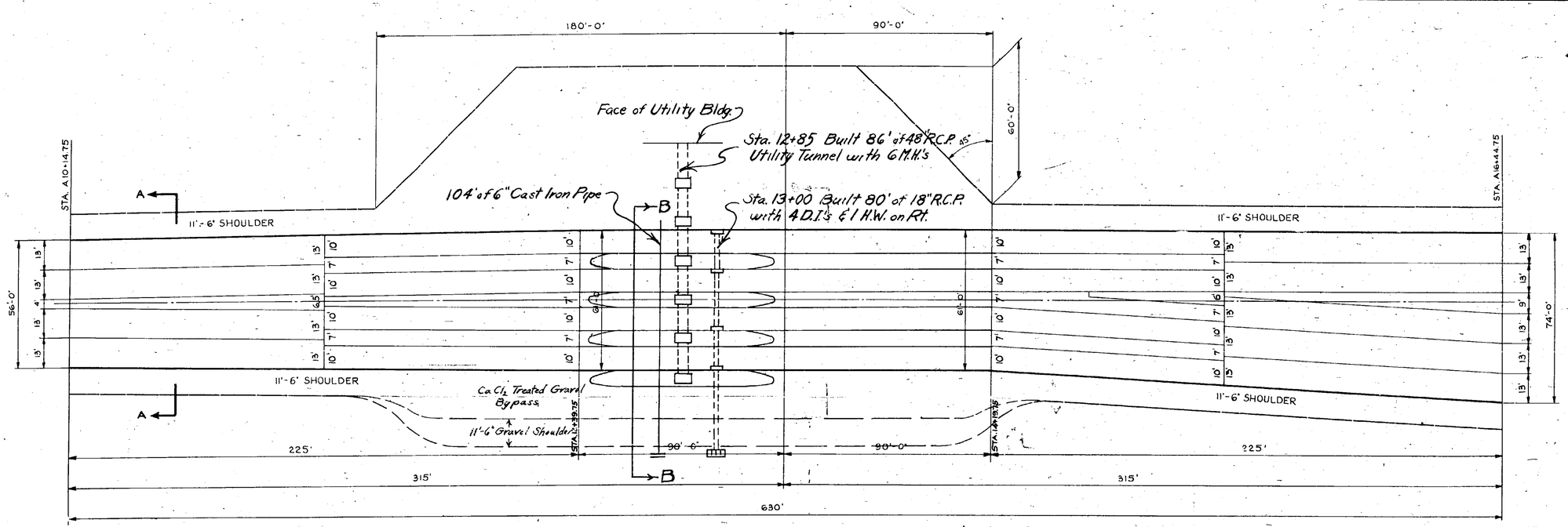
SHEET

C.T. 53-2, M.T. 53-5, S.T. 53-20, R.O. 53-36

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			28	66

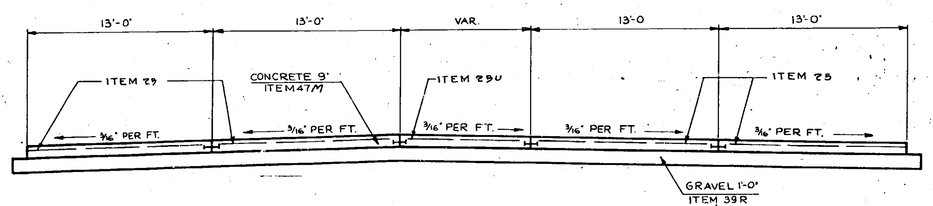
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88
INTERCHANGE AT THOMPSON ROAD

28R

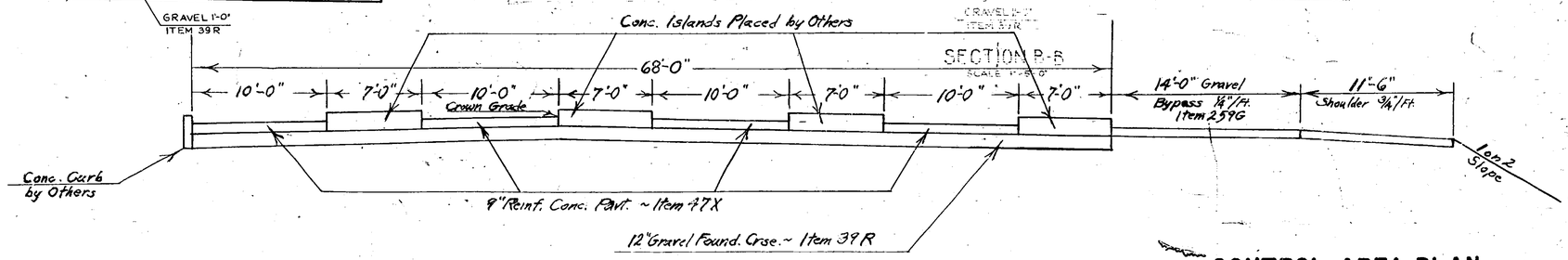


CONTROL AREA PLAN
SCALE: 1"=25'

STA. 12+39.75 to STA. 14+19.75 — Gravel Foundation Course Item 39R, 12" deep is to be placed. Cement Concrete Pavement Item 47M is to be omitted in this section.



SECTION A-A
SCALE: 1"=5'-0"



SECTION B-B
SCALE 1"=5'-0"

CONTROL AREA PLAN

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

SHEET

PREPARED AND RECOMMENDED

O'J Doyle Feb 16-53

URQUHART & DOYLE CONSULTING ENGINEERS — DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			29	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 88
INTERCHANGE AT THOMPSON ROAD
SYRACUSE - BRIDGEPORT, PT. 1 SH 672.

Item 113A - Place 48ft. of Highway Railroad Barricade to be removed from Kinne Street.

Item 113X - Place 48ft. of Highway Railroad Barricade to be removed from Kinne Street.

SYRACUSE - BRIDGEPORT ROAD S.H. 672 (To be abandoned to Onondaga Co.)

COURT STREET

5'-0" 8'-0" 8'-0" 5'-0"

Item 39R - Gravel Foundation Course 12" thick with 31lbs. of Calcium Chloride per Sq. Yd. Area.

TYPICAL SECTION FOR ACCESS DRIVE

THR. 2541+67.5
E 24+32.9
WORK ENDS

THR. 2542+11.5
A 55+10.6
WORK ENDS

N.Y. STATE THRUWAY (MOHAWK SECTION)

Eastbound Lanes

Westbound Lanes

The People of the State of New York

Syracuse Land Development Co. Inc.

Rich

Snook

Fence

Fence P.L.

Fence

Charles Smith

C.S. Dailey

P.L.

Gladys D. Mosher

Work begins Sta. 22+32

Sta. 24+75 - Build 18" Reinf. Conc. Pipe Ditch Crossing 36' long, 35' Left.

James R. Krause
Nora E. Krause

Felice Del Nero

Robert Law

Anthony Abraham
Marie Abraham

Navy R.O.W. Line

M.628-P.753 - Fee

M.627-P.754 Fee

M.630-P.755 Fee. Item 39R (Gravel)

M.631-P.756 Fee.

M.633-P.759 Fee.

M.632-P.757 Fee.

M.633-P.758 Fee.

Property proposed to be acquired

Navy Right of Way Line

Douglas C. Hoffman

Item 51C Asph. Conc.

Robert Brooks

Sta. 22+94 Remove ditch Crossing
Sta. 23+06 Build 24" R.C.P. ditch crossing 56 ft. long.

Syracuse Land Development Co. Inc.

Anthony Adler

Syracuse Land Development Co. Inc.

Navy R.O.W. Line

M.633-P.760 Fee.

Property proposed to be acquired.

M.634-P.762 Fee

M.634-P.761 Fee.

KINNE STREET

Navy R.O.W. Line

Sta. 36+10 Build 30" R.C.P. Culvert 124 ft. long.

RELOCATED S.H. 672

Anthony Adler

Sta. 39+30 Remove existing culvert and Build an 18" R.C.P. Culvert 108ft. long

Leo Lynch & Caroline Lynch

M.635-P.763 Fee.

Item 51C Asph. Conc.

Sta. 43+09 Remove existing culvert and build an 18" R.C.P. Culvert 76 ft. long.

COLLAMER DRIVE

Anson J. Simmons

Harold Simmons & Dorothy Simmons

Remove ditch crossing left of Sta. 44+60 Build 18" R.C.P. ditch crossing 56 ft. long, 37' left of Sta. 44+60

Work ends Sta. 46+33

Chester H. Wright
Jenette Wright

Conc. Mon.

30" R.C.P.

12" R.C.P.

18" R.C.P.

12" Conc.

K.S. RAMP

K.C. RAMP

PREPARED AND RECOMMENDED

Feb 16-53

DATE

UHLIG HART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SCALE: 1" = 100'-0"

THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

SHEET

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			29	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 88				
INTERCHANGE AT THOMPSON ROAD				
SYRACUSE - BRIDGEPORT, PT. 1 S.H. 672				

29R

Item 113X - Place 48ft. of Highway Railroad Barricade to be removed from Kinne Street.

Removed Old Road, Regraded & Seeded Thruway Section

SYRACUSE - BRIDGEPORT ROAD S.H. 672 (To be abandoned to Onondaga Co.)

Item 113X - Place 48ft. of Highway Railroad Barricade to be removed from Kinne Street.

Rich

Snook

Charles Smith

C.S. Dailey

Fence

P.L.

Az. 81°-35'

620-00

5'-0" 8'-0" 8'-0" 5'-0"

Item 39Rn Gravel Foundation Course 12" thick with 3 lbs. of Calcium Chloride per Sq. Yd. Area.

TYPICAL SECTION FOR ACCESS DRIVE

THR. 2541+67.5
E 24+32.9
WORK ENDS

THR 2542+11.5
N 53+10.6
WORK ENDS

N.Y. STATE THRUWAY (MOHAWK SECTION)

Eastbound Lanes

Westbound Lanes

Az. 86°-36'

2535

2545

2540

2551

45

50

The People of the State of New York

Syracuse Land Development Co. Inc.

COLLAMER DRIVE

℄ Kinne St.

22+80 P.O.L.

Gladys D. Mosher

Work begins Sta. 22+32

Sta. 24+00 - Built 18" R.C.P. Driveway.

Sta. 24+75 - Build 18" Reinf. Conc. Pipe Ditch Crossing 36' long, 35' Left.

James R. Krause
Nora E. Krause

Felice Del Nero

Robert Law

Anthony Abraham
Marie Abrahapp

New R.O.W. Line

M.628-P.753-Fee.

M.629-P.754-Fee.

M.630-P.755-Fee. (1 Item 39R Gravel)

M.631-P.756-Fee.

M.633-P.759-Fee.

M.632-P.757-Fee.

M.633-P.758-Fee.

Property proposed to be acquired

New Right of Way Line

Douglas C. Hoffman,

Item 51C Asph. Conc.

Syracuse Land Development Co. Inc.

Robert Brooks

Sta. 22+94 Remove ditch Crossing

Sta. 23+06 Build 24" R.C.P. ditch crossing 56ft. long.

Syracuse Land Development Co. Inc.

Removes No. Pipe Plugged with Conc. 30" R.C.P. Culvert

RELOCATED S.H. 672

Anthony Adler

Property proposed to be acquired.

M.633-P.760-Fee.

M.634-P.762-Fee

M.635-P.763-Fee.

Sta. 39+30 Remove existing culvert and Build an 18" R.C.P. culvert 108ft. long

Lee Lynch & Caroline Lynch

M.634-P.761-Fee.

KINNE STREET

New R.O.W. Line

Sta. 36+10 Build 30" R.C.P. culvert 124ft. long.

Sta. 43+09 Remove existing culvert and build an 18" R.C.P. culvert 76ft. long.

Anson J. Simmons

Harold Simmons & Dorothy Simmons

Item 51C Asph. Conc.

Remove ditch crossing left of Sta. 44+60 Build 18" R.C.P. ditch crossing 36ft. long, 33' left of Sta. 44+60

Work ends Sta. 46+33

Chester H. Wright
Jenette Wright

Az. 356°-25'-30"

Az. 356°-38'-30"

KS RAMP

GJ

K 49+00

K 50

Fence

P.L.

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

Feb 16-53
DATE

SCALE: 1" = 100'-0"

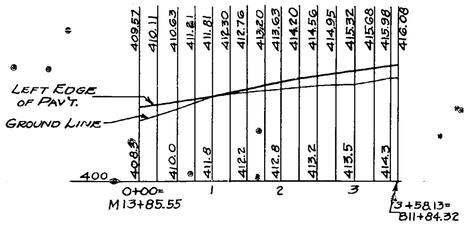
THOMPSON ROAD TRAFFIC INTERCHANGE
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

SHEET

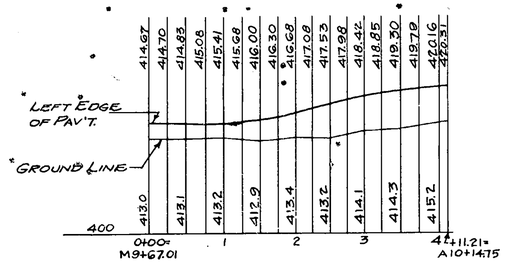
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			30	66

NY STATE THRUWAY, MOHAWK SECTION SUB DIV. 8B

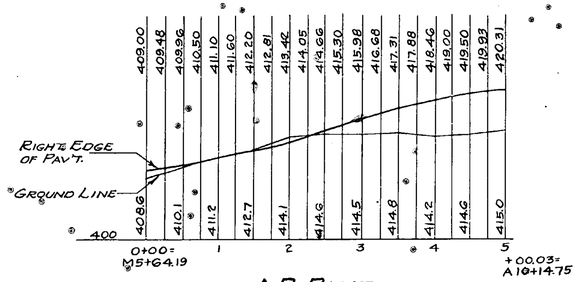
INTERCHANGE AT THOMPSON ROAD



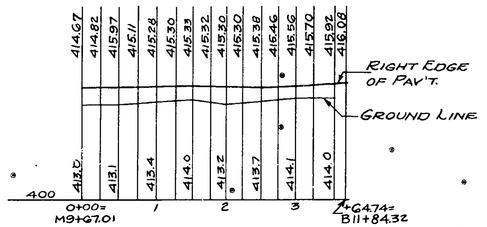
B L RAMP
(CIRCLE TO THOMPSON ROAD)



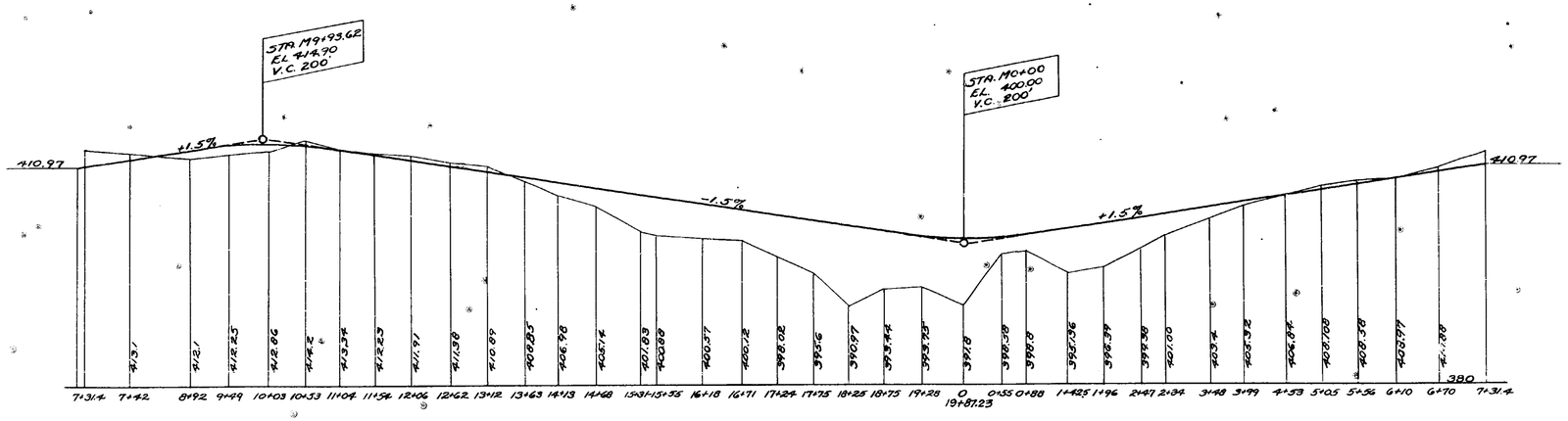
A L RAMP
(CIRCLE TO TRAFFIC INTERCHANGE)



A R RAMP
(CIRCLE TO TRAFFIC INTERCHANGE)



B R RAMP
(CIRCLE TO THOMPSON ROAD)



TRAFFIC CIRCLE

SCALE: Hor. 1"=100'
Vert. 1"=10'

PROFILES

THOMPSON ROAD PROJECT
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

PREPARED AND RECOMMENDED

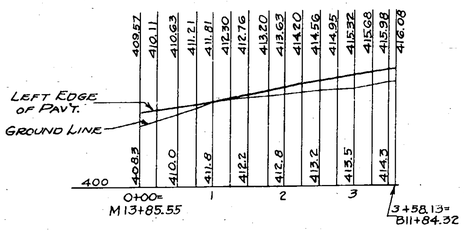
J. F. Doyle Jan 30 -52

URQUHART & DOYLE CONSULTING ENGINEERS — DATE.
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

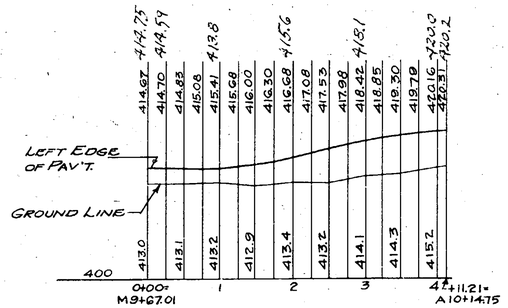
SHEET

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			30	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 88				
INTERCHANGE AT THOMPSON ROAD				

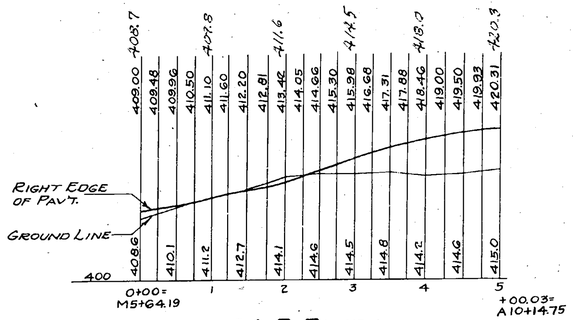
30R



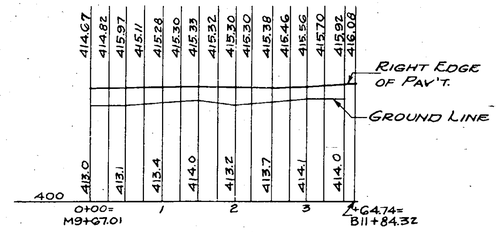
B L RAMP
(CIRCLE TO THOMPSON ROAD)



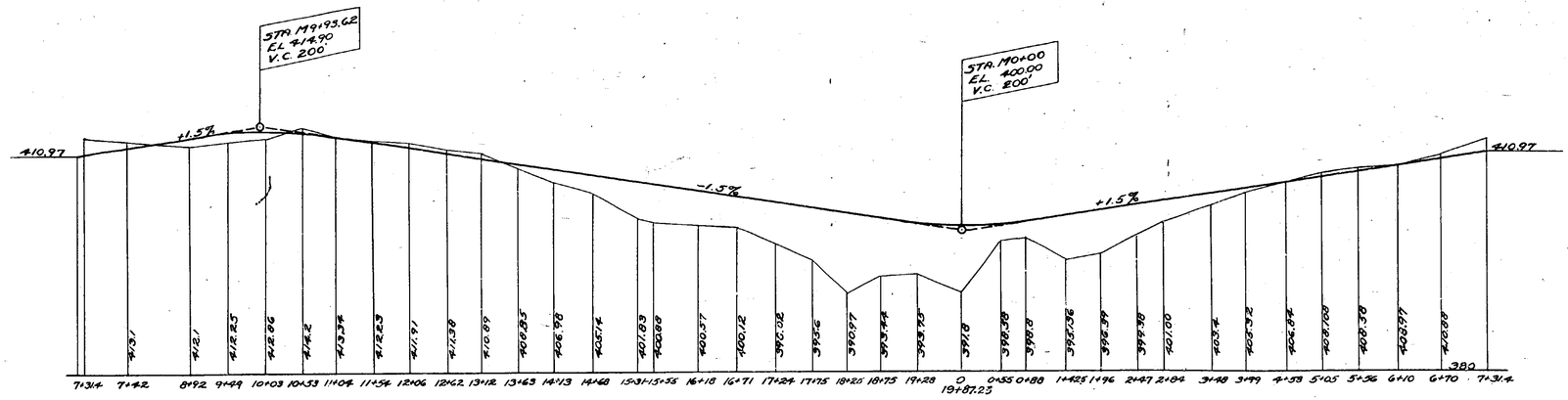
A L RAMP
(CIRCLE TO TRAFFIC INTERCHANGE)



A R RAMP
(CIRCLE TO TRAFFIC INTERCHANGE)



B R RAMP
(CIRCLE TO THOMPSON ROAD)



TRAFFIC CIRCLE

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

E J Doyle Jan 30-62
DATE

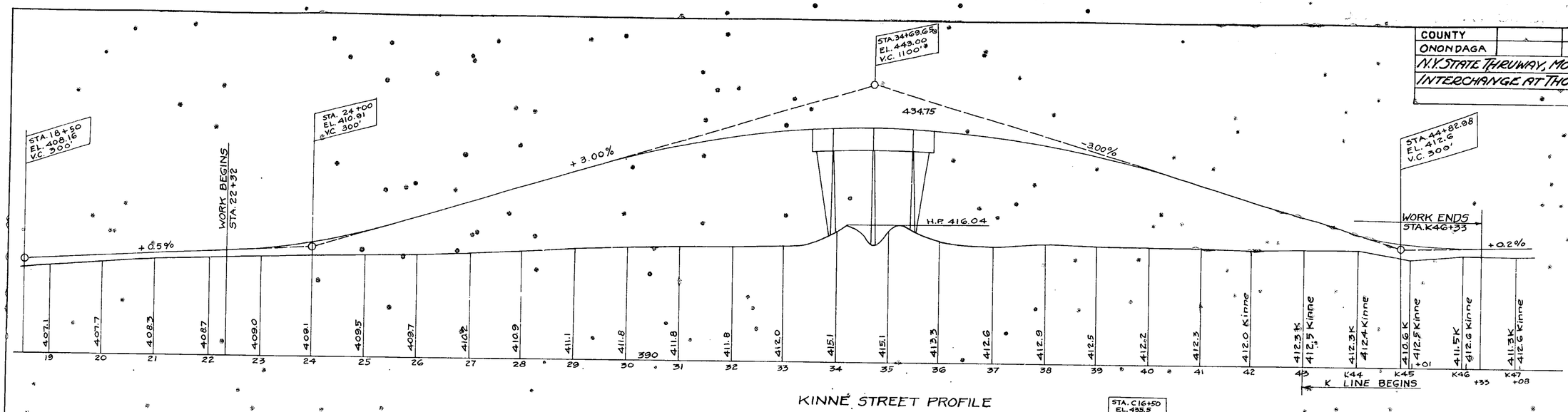
SCALE: Hor. 1"=100'
Vert. 1"=10'

PROFILES

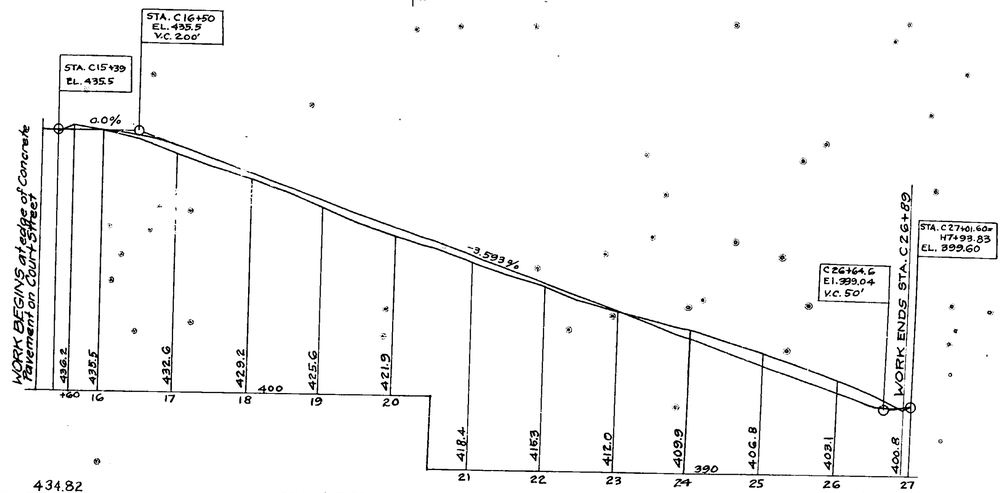
THOMPSON ROAD PROJECT
TRAFFIC CIRCLE
AND ADJACENT CONNECTING HIGHWAYS
NEW YORK STATE THRUWAY MOHAWK SECTION

SHEET

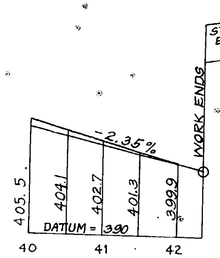
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			31	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				



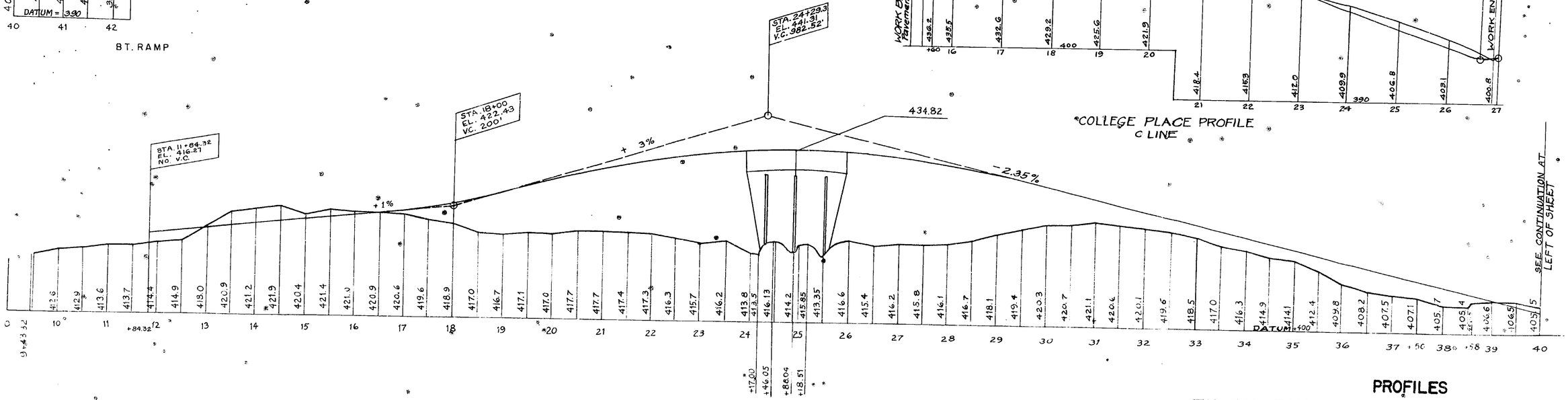
KINNE STREET PROFILE



*COLLEGE PLACE PROFILE
℄ LINE



BT. RAMP



THOMPSON ROAD PROFILE
B LINE

SCALE: HOR. 1" = 100'-0"
VERT. 1" = 10'-0"

J. D. Hoyle Jan 30-53

PROFILES
THOMPSON ROAD-KINNE STREET-COLLEGE PLACE
MOHAWK SECTION
NEW YORK STATE THRUWAY

SHEET ~~5 OF 13~~

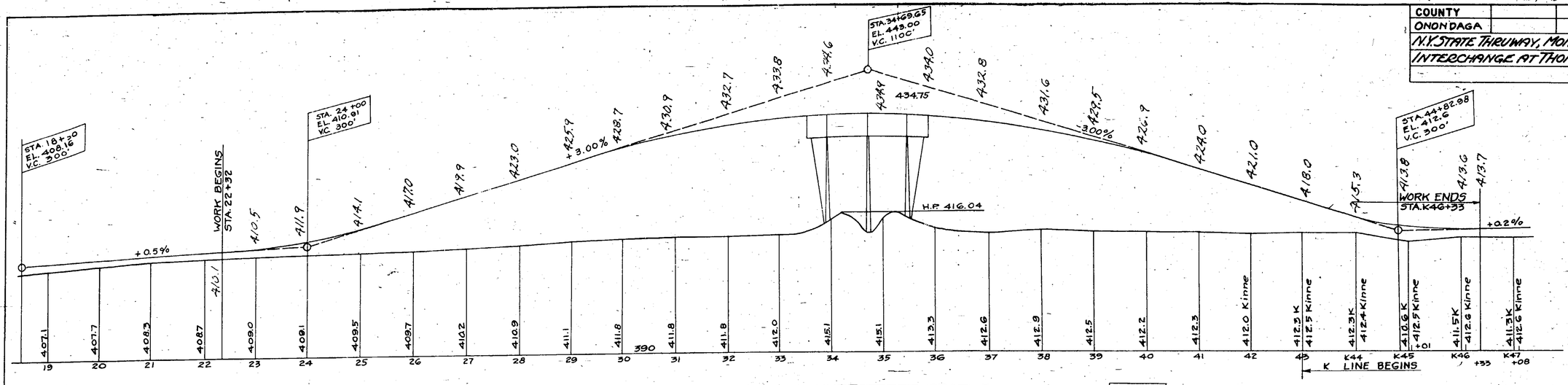
O.T. 53-3, M.T. 53-3, S.T. 53-29, T.C. 53-36

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			31	66

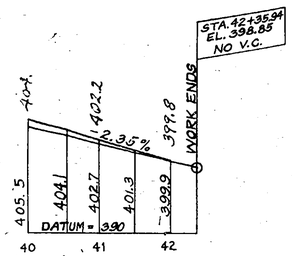
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B

INTERCHANGE AT THOMPSON ROAD

31R



KINNE STREET PROFILE



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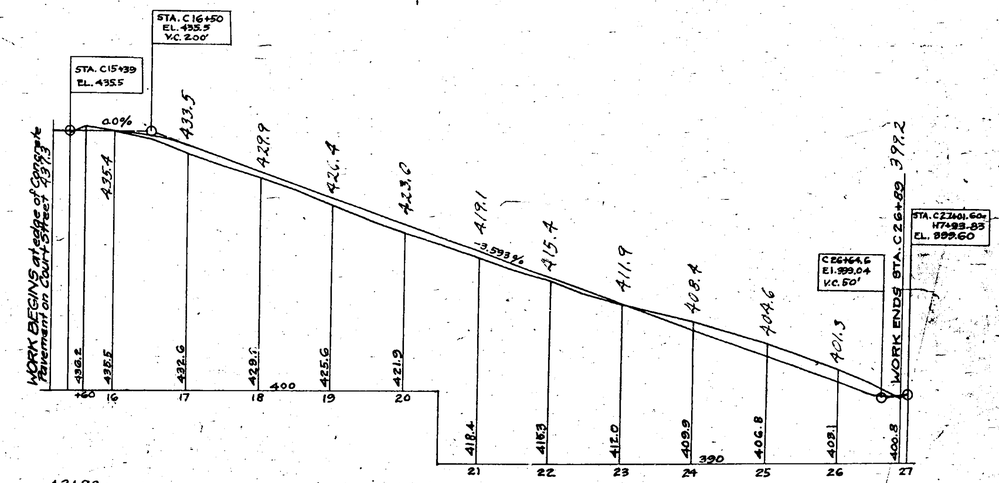
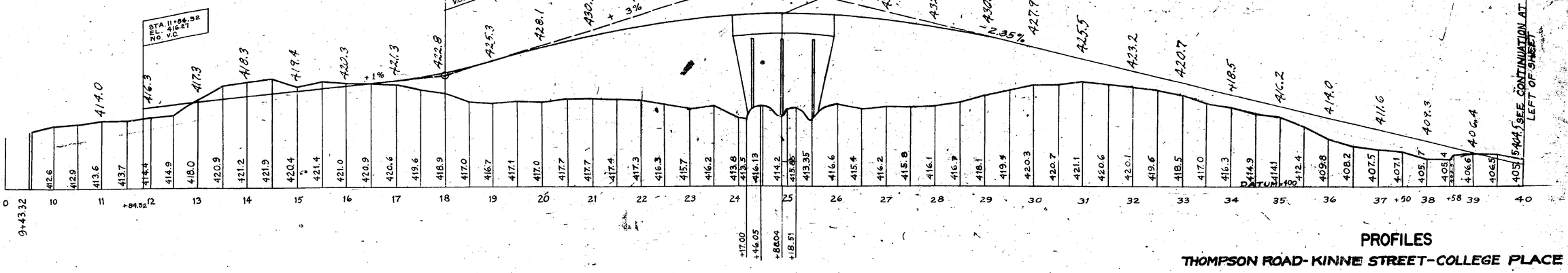


COLLEGE PLACE PROFILE
C LINE



THOMPSON ROAD PROFILE
B LINE

SCALE: HOR. 1" = 100'-0"
VERT. 1" = 10'-0"

PROFILES

THOMPSON ROAD - KINNE STREET - COLLEGE PLACE

MOHAWK SECTION

NEW YORK STATE THRUWAY

SHEET ~~5 OF 13~~

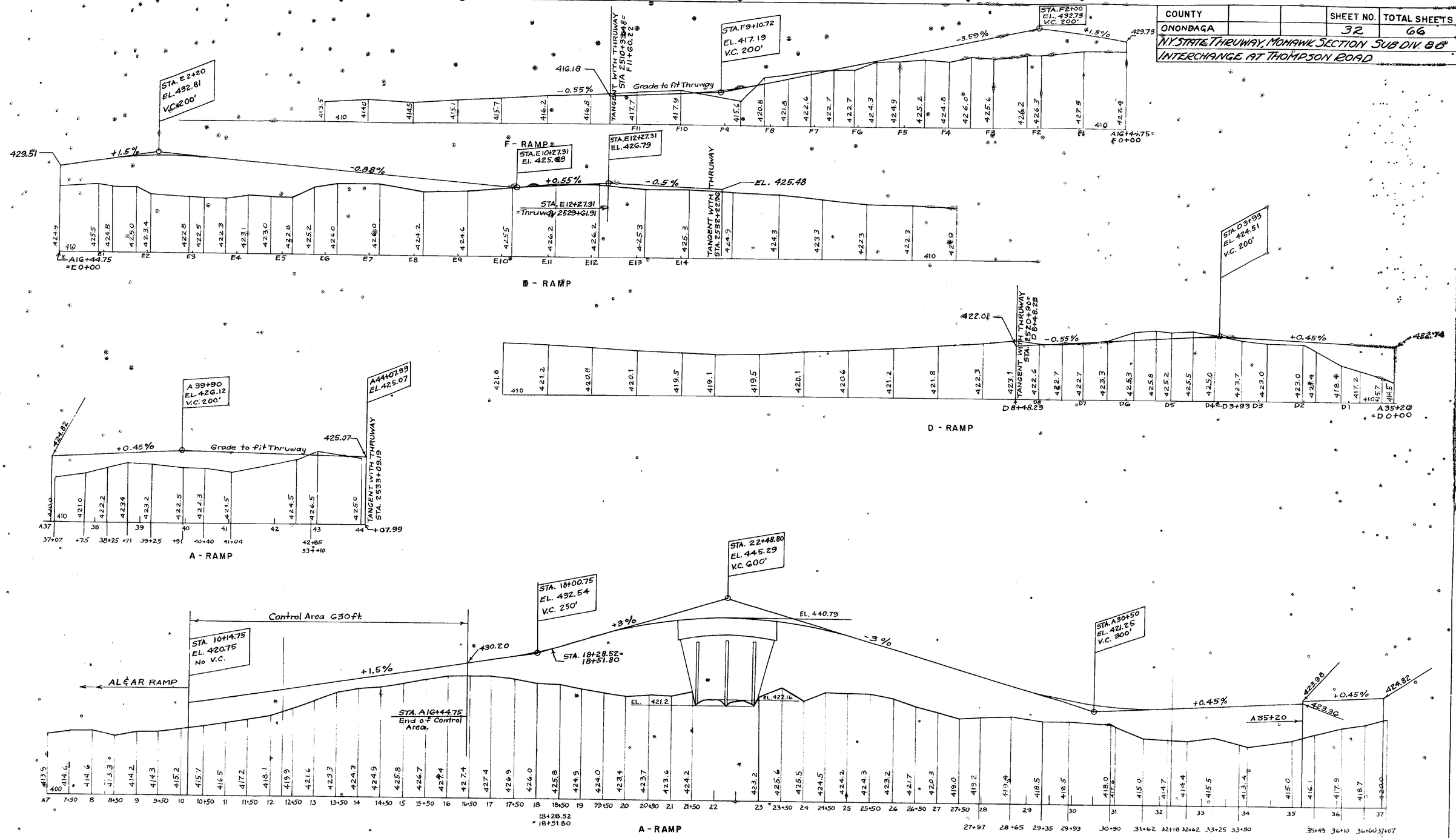
J.P. Wagle Jan 30-53

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			32	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 88

INTERCHANGE AT THOMPSON ROAD



PREPARED AND RECOMMENDED:

HUGUHART & DOYLE CONSULTING ENGINEERS — DATE Jan 30-53

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SCALE: HOR. 1"=100'
VERT. 1"=10'

PROFILES

THOMPSON ROAD INTERCHANGE

MOHAWK SECTION

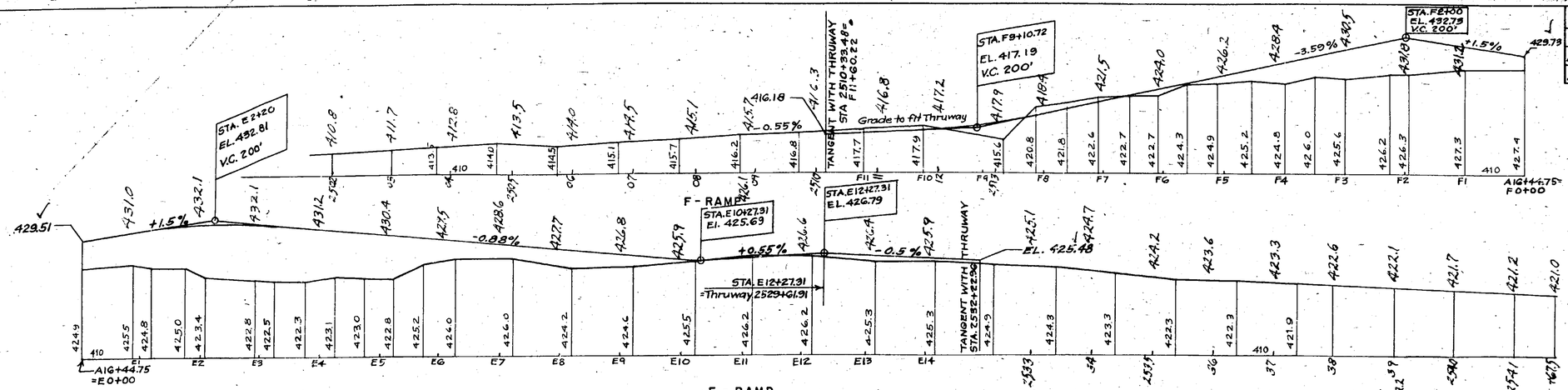
NEW YORK STATE THRUWAY

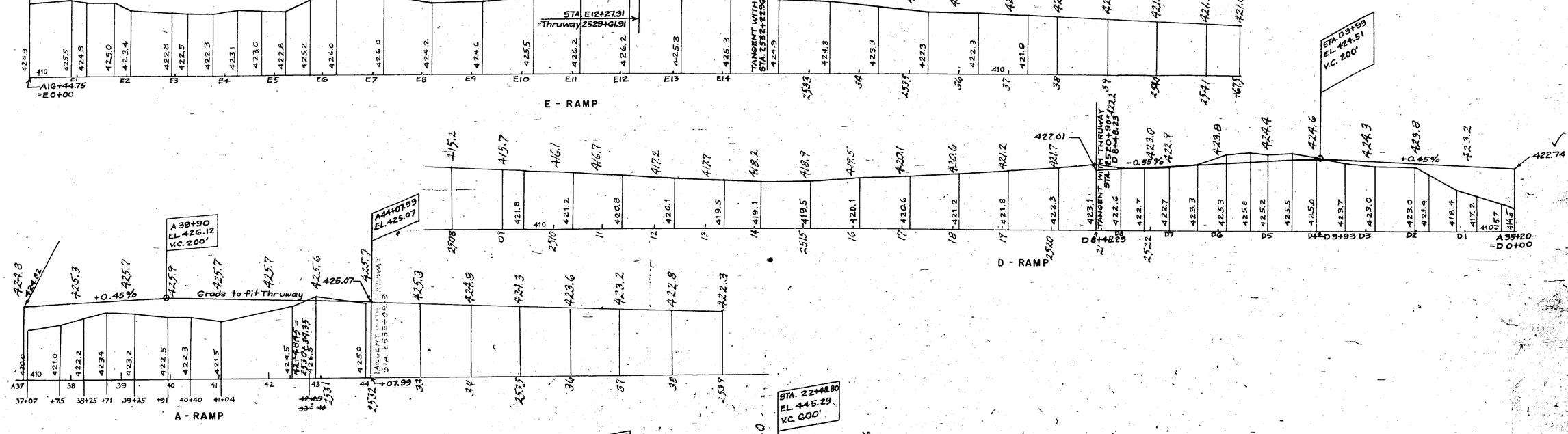
SHEET ~~6 OF 13~~

O.T. 53-8, M.T. 53-3, S.T. 53-20, R.C. 53-36

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			32	66
NY. STATE THRUWAY, MOHAWK SECTION SUB DIV. 88				
INTERCHANGE AT THOMPSON ROAD				

32R





PREPARED AND RECOMMENDED:

E J Doyle Jan 30-53

HOUGHART & DOYLE CONSULTING ENGINEERS — DATE

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

SCALE: HOR. 1"=100'
VERT. 1"=10'

PROFILES

THOMPSON ROAD INTERCHANGE

MOHAWK SECTION

NEW YORK STATE THRUWAY

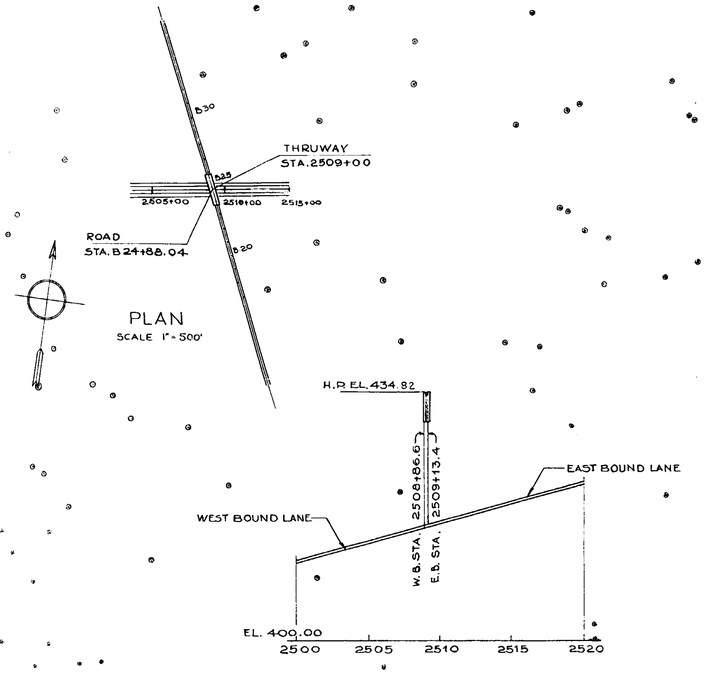
SHEET ~~8 OF 19~~

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			33	66

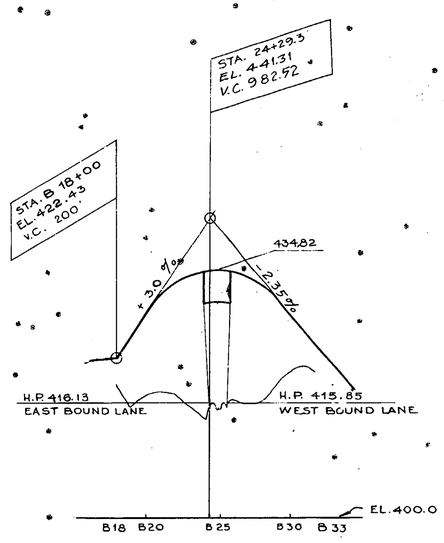
N.Y. STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8B

INTERCHANGE AT THOMPSON ROAD



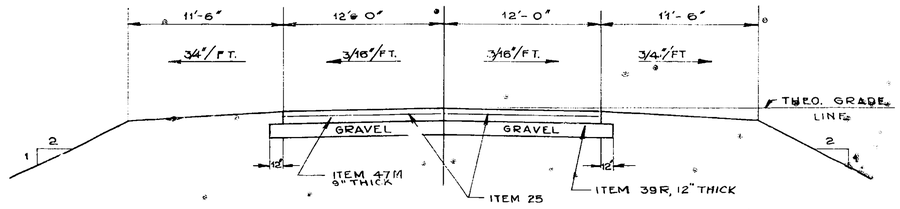
THRUWAY PROFILE

SCALES : HOR. 1"=500'
VERT. 1"=10'



APPROACH PROFILE

SCALES : HOR. 1"=500'
VERT. 1"=10'



APPROACH SECTION

SCALE : 3/16"=1'-0"

DEPARTMENT OF PUBLIC WORKS

RECOMMENDED _____ 7/6/53
WM ROBINSON
DISTRICT ENGINEER
DATE

APPROVED _____
E.T. GAWKINS
DEPUTY CHIEF ENGINEER
DATE

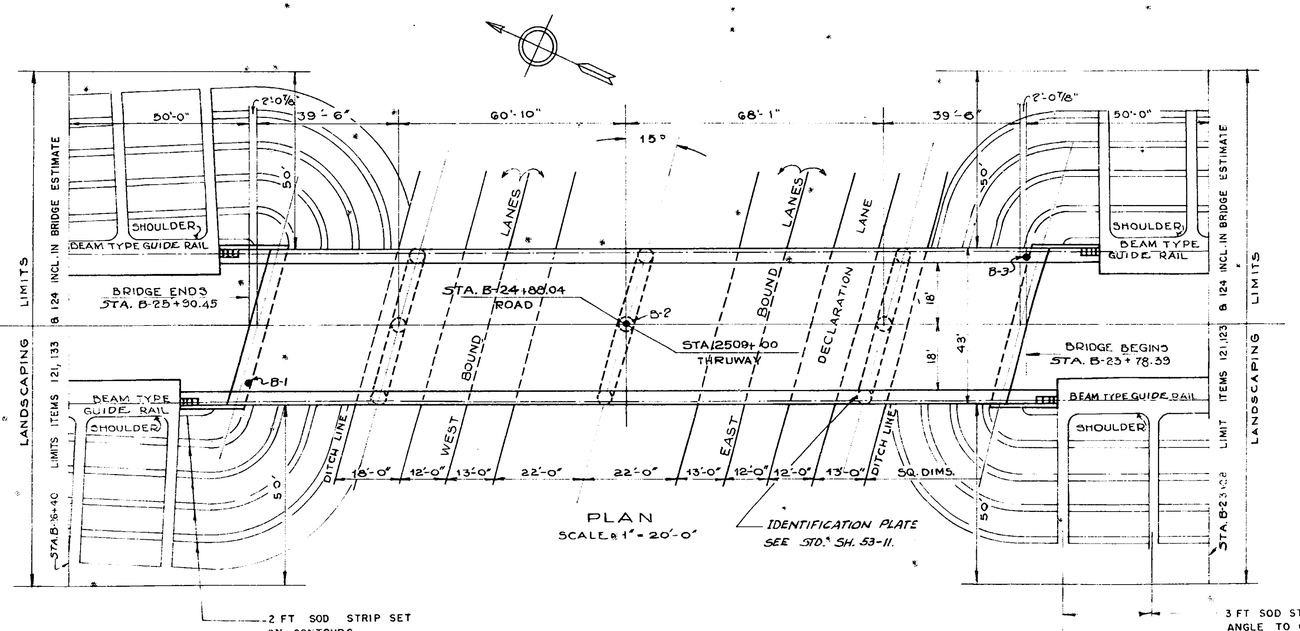
_____
E.W. WENDELL
DEPUTY CHIEF ENGINEER
DATE

_____ 7/16/53
J.B. McMORRAN
CHIEF ENGINEER
DATE

APPROVED _____ 1953
NEW YORK STATE THRUWAY AUTHORITY

B.D. TALLAMY, CHAIRMAN

BY C. H. LANG
DEPUTY CHIEF ENGINEER



PREPARED AND RECOMMENDED

_____ Aug 19-53
URQUHART & DOYLE CONSULTING ENGINEERS DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

PRELIMINARY LAYOUT

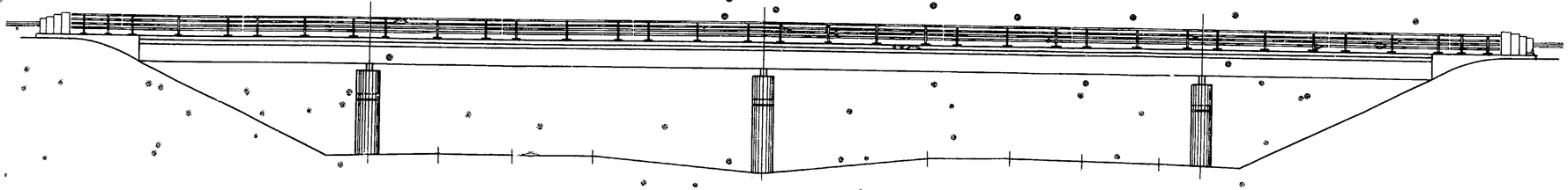
THOMPSON ROAD

MOHAWK SECTION

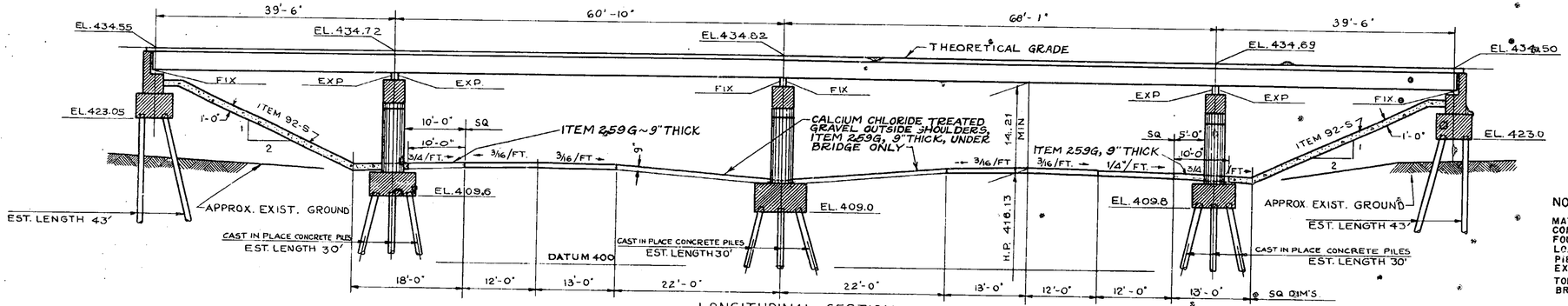
NEW YORK STATE THRUWAY

SHEET 6 OF 13

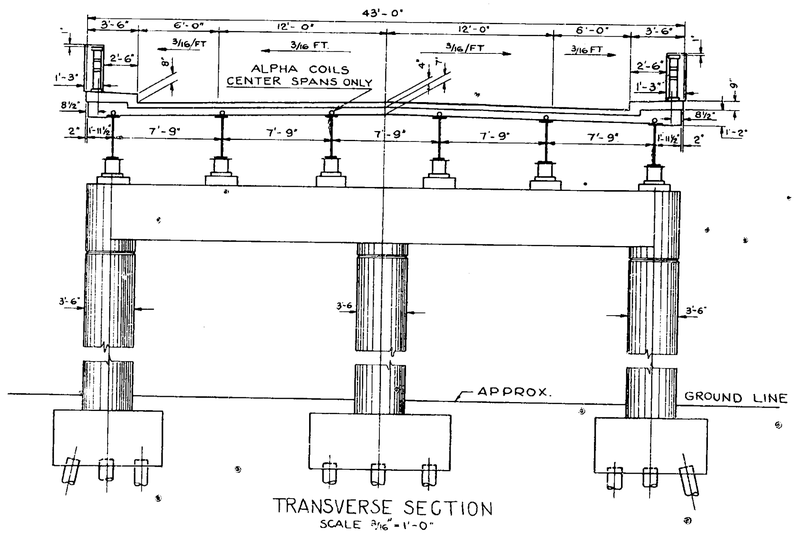
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			34	66
N.Y. STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				



ELEVATION
SCALE 3/32" = 1'-0"



LONGITUDINAL SECTION
SCALE 3/32" = 1'-0"



TRANSVERSE SECTION
SCALE 3/16" = 1'-0"

NOTES:
DESIGN SPECIFICATIONS, A.A.S.H.O. 1949, H-20-S16 LOADING MODIFIED.
MATERIAL AND FABRICATION SPECIFICATIONS N.Y.S.D.P.W. JAN. 2, 1951 SUPERSTRUCTURE WF BEAMS, COMPOSITE CONSTRUCTION CENTER SPANS ONLY.
FOUNDATION TREATMENT OF ABUTMENTS ON PILES: FOR DESIGN PURPOSES, THE ASSUMED LOAD PER PILE DOES NOT EXCEED 30 TONS
PIERS ON PILE FOUNDATIONS: FOR DESIGN PURPOSES, THE ASSUMED LOAD PER PILE DOES NOT EXCEED 30 TONS.
TOP SOILING SODDING AND SEEDING TO BE SHOWN ON BRIDGE CONTRACT PLANS AND INCLUDED IN BRIDGE ESTIMATE FOR BOTH APPROACHES TO EXTENT NOTED IN PLAN.

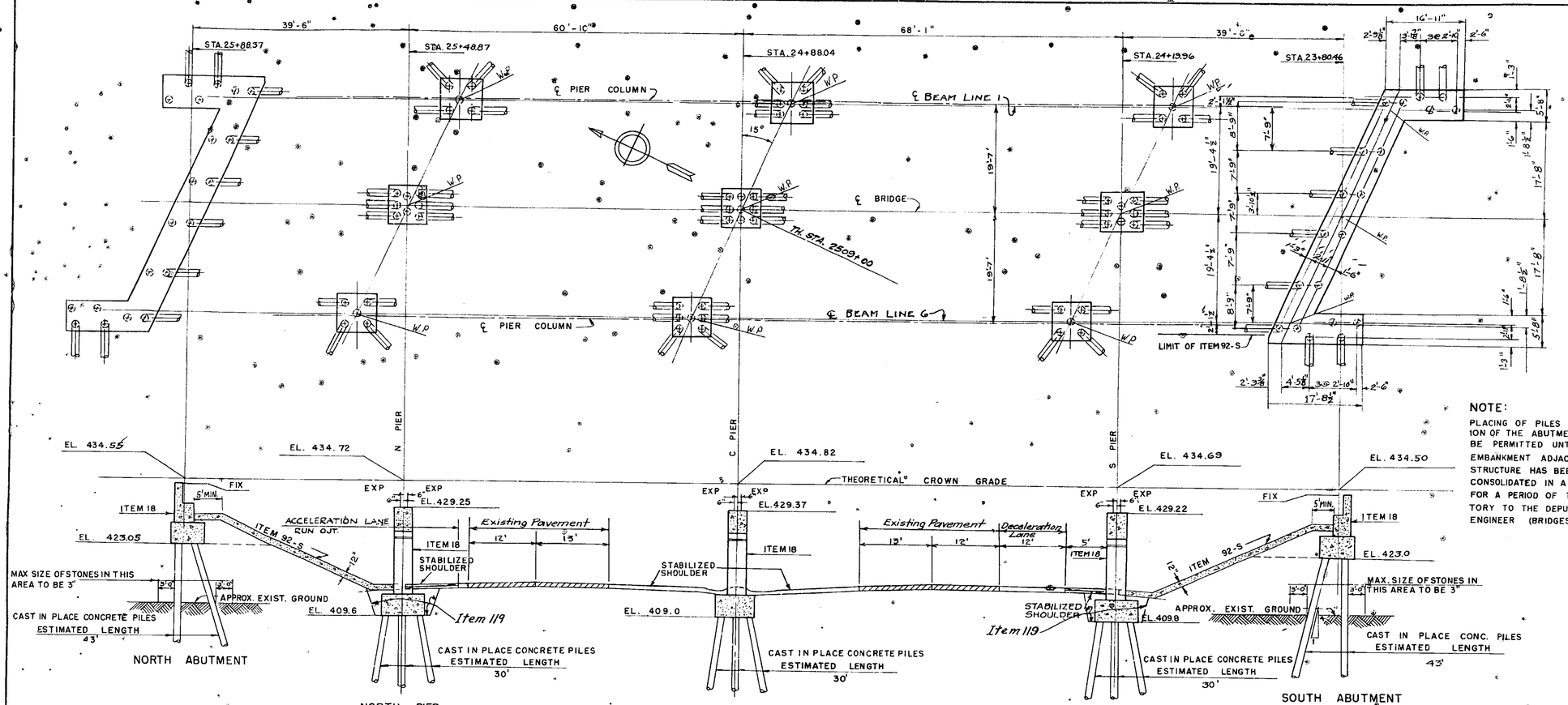
PREPARED AND RECOMMENDED

URQUHART B. DOYLE CONSULTING ENGINEERS — DATE Aug 22-52
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

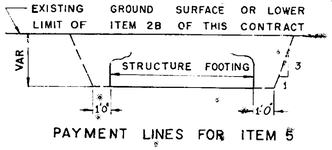
PRELIMINARY LAYOUT

THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			35	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

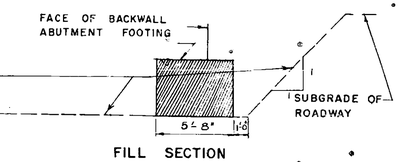


SUBSTRUCTURE PROFILE
SCALE $\frac{3}{32}$ = 1'-0"

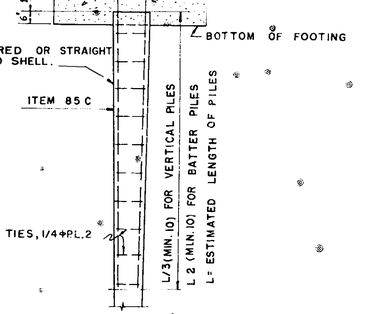


PAYMENT LINES FOR ITEM 5

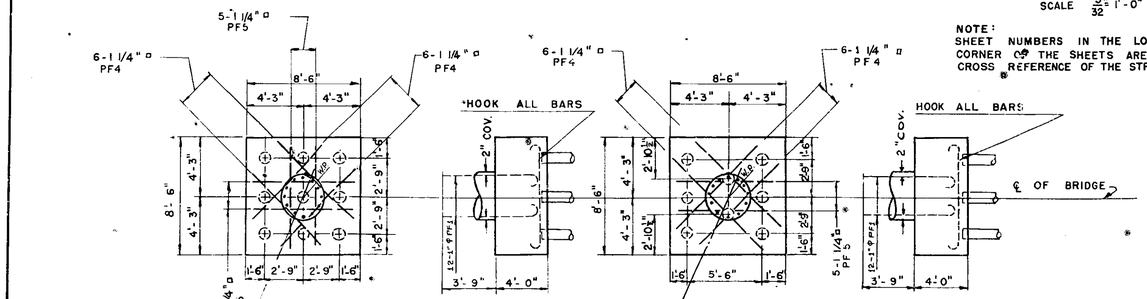
NOTE:
PLACING OF PILES AND CONSTRUCTION OF THE ABUTMENTS WILL NOT BE PERMITTED UNTIL THE HIGHWAY EMBANKMENT ADJACENT TO THE STRUCTURE HAS BEEN PLACED AND CONSOLIDATED IN A MANNER AND FOR A PERIOD OF TIME SATISFACTORY TO THE DEPUTY CHIEF ENGINEER (BRIDGES).

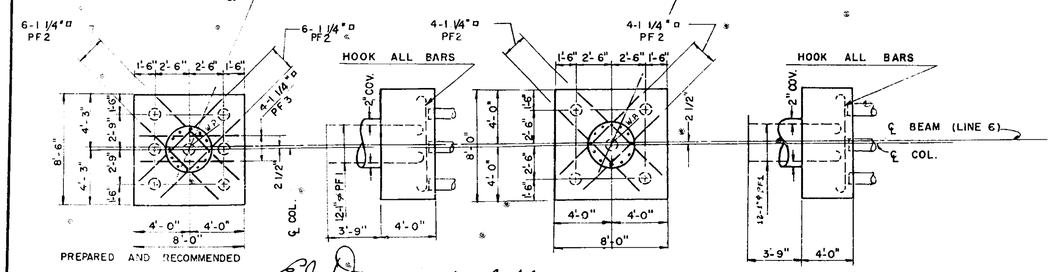


FILL SECTION



CAST IN PLACE CONC. PILE REINFORCEMENT





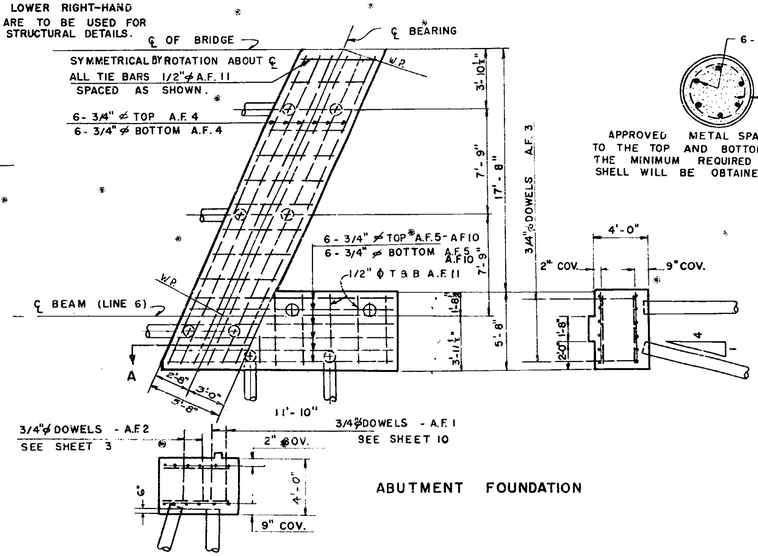
PREPARED AND RECOMMENDED

J. J. Doyle Feb 16-53

URQUHART & DOYLE CONSULTING ENGINEERS — DATE

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

NOTE:
SHEET NUMBERS IN THE LOWER RIGHT-HAND CORNER OF THE SHEETS ARE TO BE USED FOR CROSS REFERENCE OF THE STRUCTURAL DETAILS.



ABUTMENT FOUNDATION

APPROVED METAL SPACERS SHALL BE ATTACHED TO THE TOP AND BOTTOM HOOPS TO INSURE THAT THE MINIMUM REQUIRED CLEAR DISTANCE TO THE SHELL WILL BE OBTAINED.

CROSS REFERENCE

FOR DETAILS OF ABUTMENTS SEE SHEET 36
FOR DETAILS OF PIERS SEE SHEET 37
FOR DETAILS OF BARS SEE SHEET 43

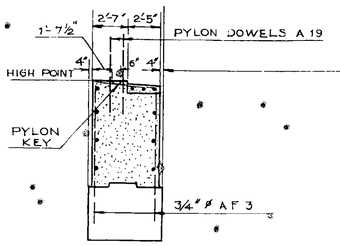
NOTE:
CROSS REFERENCE SHEET NUMBERS ARE THOSE SHOWN IN THE LOWER RIGHT HAND CORNER OF THE SHEETS.

SUBSTRUCTURE DETAILS

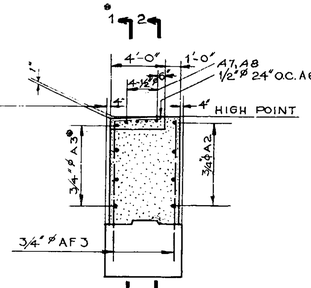
THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

24:1

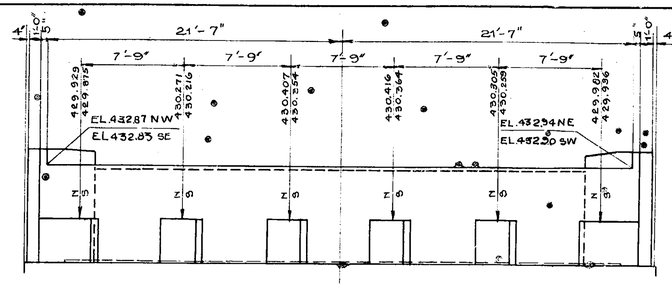
COUNTY #			SHEET NO.	TOTAL SHEETS
ONONDAGA			36	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 8 B				
INTERCHANGE AT THOMPSON ROAD				



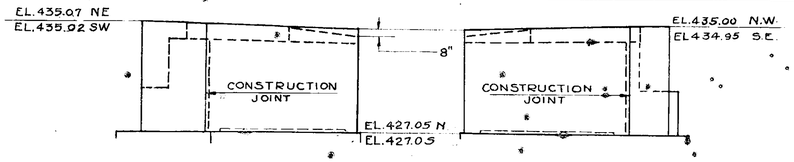
SECTION 4-4



SECTION 3-3

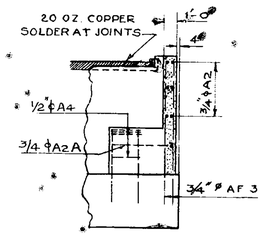


ABUTMENT ELEVATION

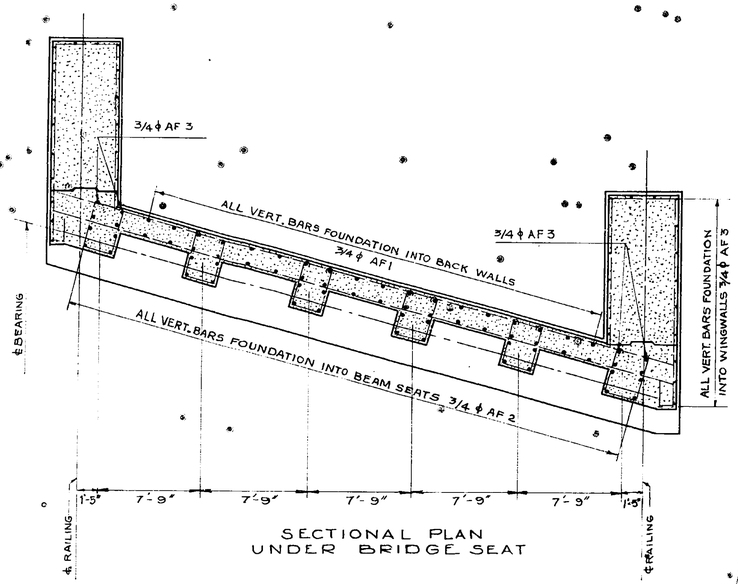


WING WALL

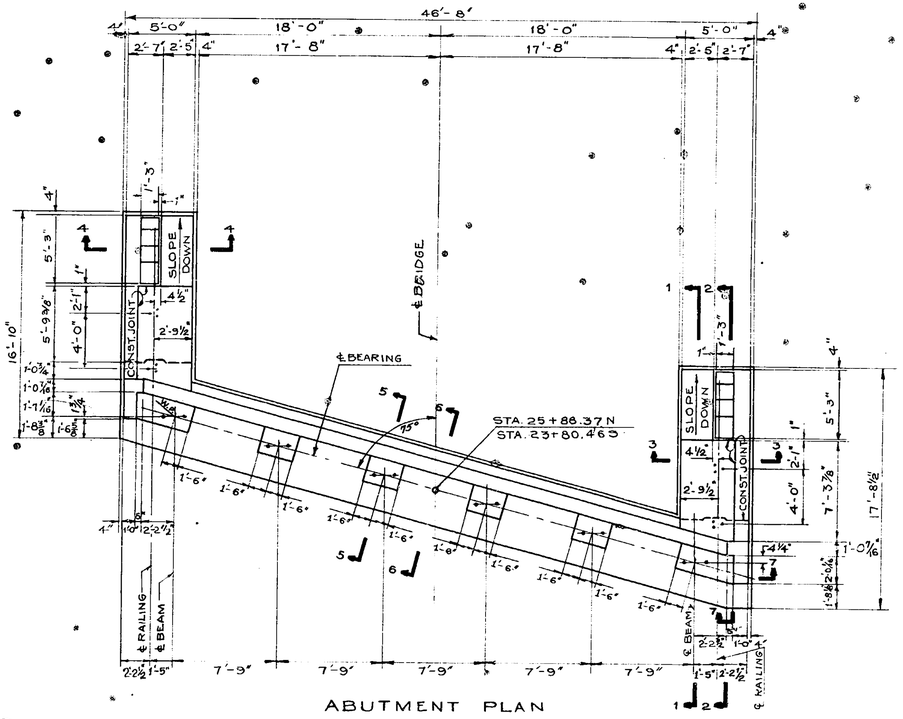
WING WALL



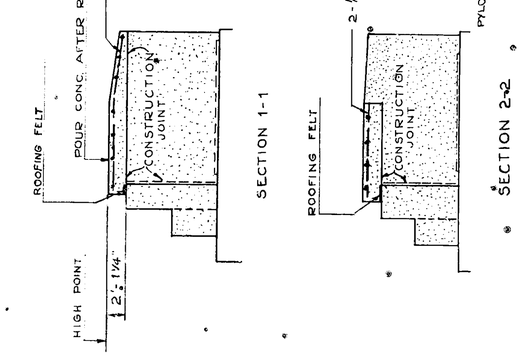
SECTION 7-7

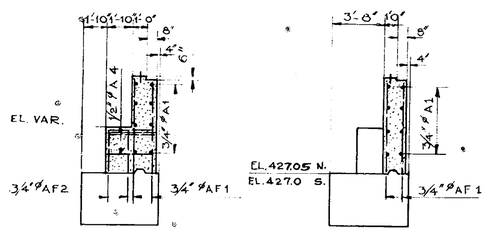


SECTIONAL PLAN
UNDER BRIDGE SEAT



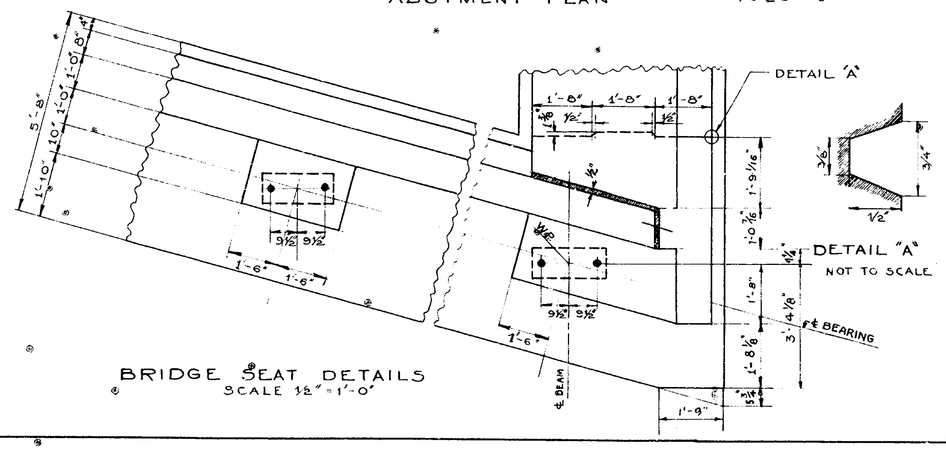
ABUTMENT PLAN





SECTION 5-5

SECTION 6-6



BRIDGE SEAT DETAILS
SCALE 12" = 1'-0"

SCALE 3/16" = 1'-0", EXCEPT AS SHOWN

CROSS REFERENCE

FOR LAYOUT OF ABUTMENTS SEE SHEET 35
FOR DETAILS OF REINFORCING BARS SEE SHEET 43
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 41
FOR DETAILS OF ABUTMENT FOUNDATION SEE SHEET 35
FOR DETAILS OF RAILING SEE SHEET 41
FOR STRINGER DETAILS SEE SHEET 38

SUBSTRUCTURE DETAILS

THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED:

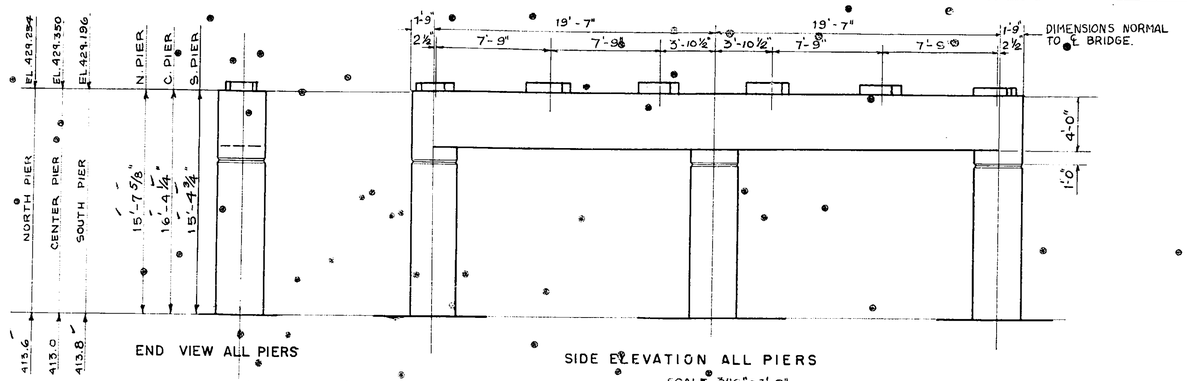
Feb 16-53
DATE

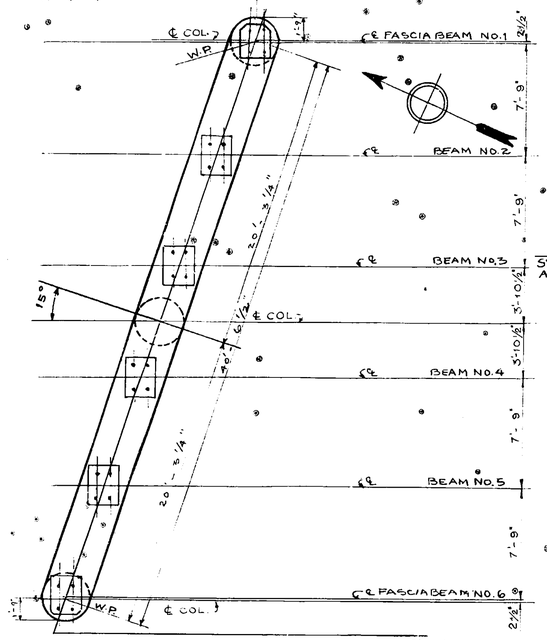
JEQUART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSINAL ENGINEERS LICENSE NO. 5667

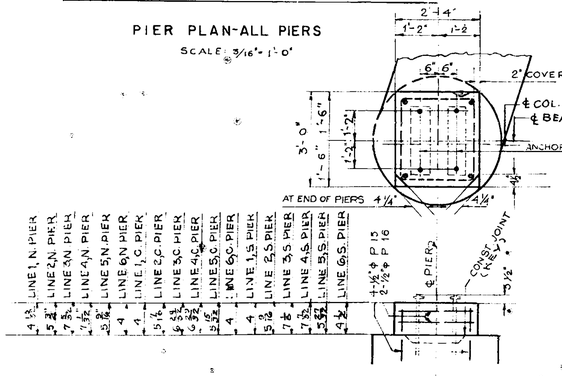
SHEET 36

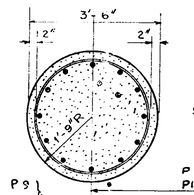
24:1

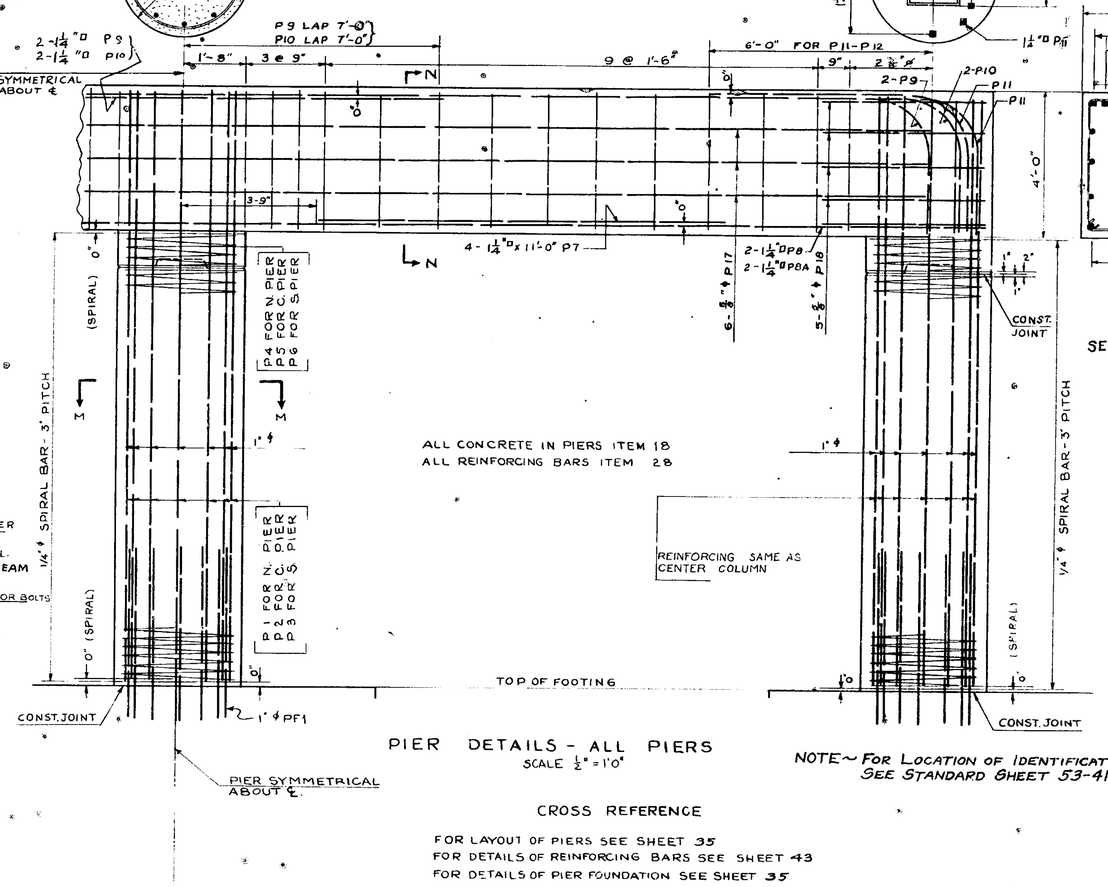
COUNTY		SHEET NO	TOTAL SHEETS
ONONDAGA		37	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B			
INTERCHANGE AT THOMPSON ROAD			



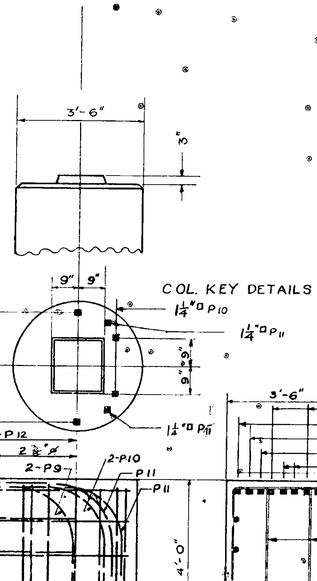


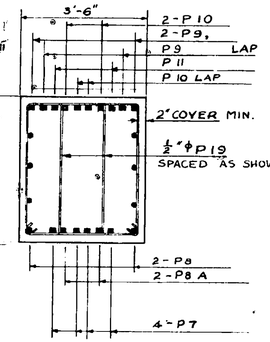






ALL CONCRETE IN PIERS ITEM 18
ALL REINFORCING BARS ITEM 28





SUBSTRUCTURE QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
5	TRENCH, CULVERT & BRIDGE EXCAVATION	C.Y.	260	300
15-2	PORTLAND CEMENT, TYPE 2	BBL.	717	732
15-N	NATURAL CEMENT, TYPE N	BBL.	83	84
18	CLASS IA CONCRETE FOR STRUCTURES	C.Y.	412	420
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	45,000	47000
85-C ϕ	CAST IN PLACE CONCRETE PILES	L.F.	3490	3600
87	FURNISHING EQUIPMENT FOR DRIVING PILES	L.S.	NEC	NEC
82S	SCREENED GRAVEL - LOOSE MEASURE	C.Y.	145	150
121	TOPSOIL PLACED FROM STOCK PILES	C.Y.	360	380
123	SEEDING	ACRE	.35	.4
124	SODDING	S.Y.	400	420
119	RUN OF BANK GRAVEL FILL	C.Y.	185	190

SUBSTRUCTURE

GENERAL NOTES

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHERE PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER (BRIDGES), IN WHICH CASE, HIS SUPPLEMENTAL INSTRUCTIONS SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATER-PROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41W TO ALL EXPOSED SURFACES.

ALL SHOE BEARING SURFACES SHALL BE CAST ¼" ABOVE ELEVATIONS SHOWN ON THE PLANS, AND AFTER THE CONCRETE IS CURED, SHALL BE BUSH-HAMMERED TO THE REQUIRED ELEVATIONS.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS AT THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO THE CONSTRUCTION.

NOTE ~ FOR LOCATION OF IDENTIFICATION PLATE, SEE STANDARD SHEET 53-41.

CROSS REFERENCE

FOR LAYOUT OF PIERS SEE SHEET 35
FOR DETAILS OF REINFORCING BARS SEE SHEET 43
FOR DETAILS OF PIER FOUNDATION SEE SHEET 35
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 41

PREPARED AND RECOMMENDED:

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

F. D. Doyle Feb 16 -53
DATE

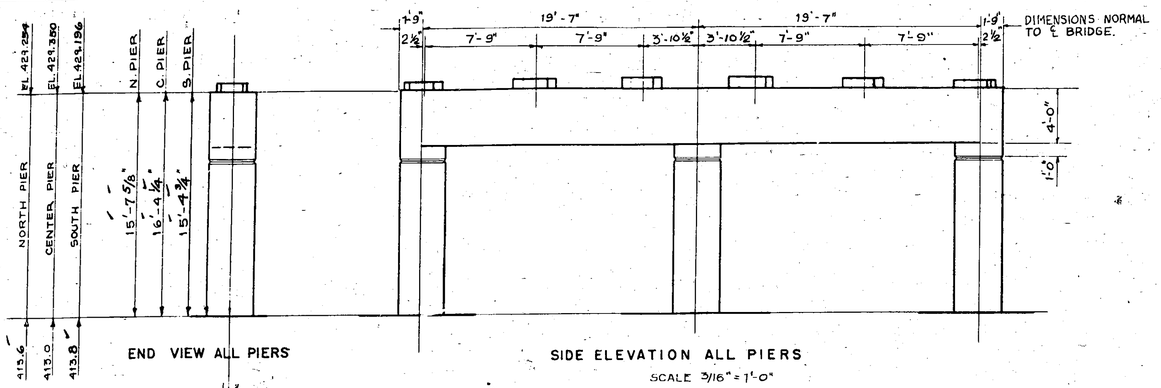
SUBSTRUCTURE DETAILS

THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			37	66

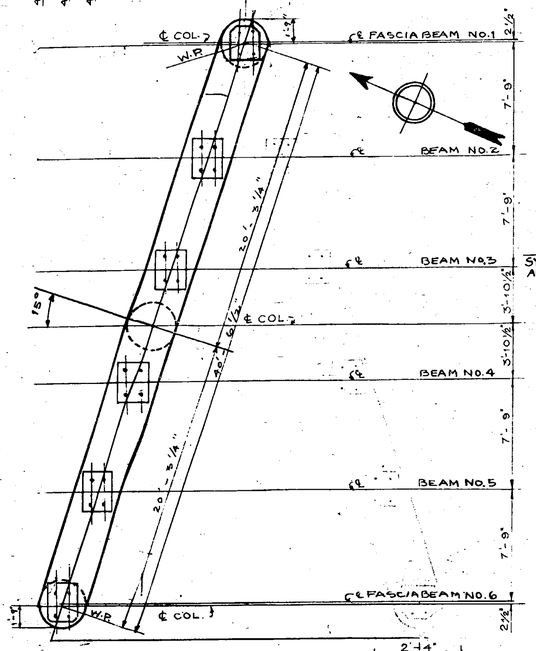
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B
INTERCHANGE AT THOMPSON ROAD

37R

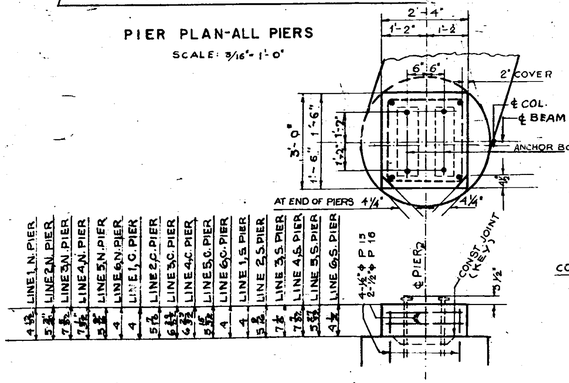


END VIEW ALL PIERS

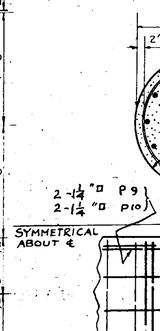
SIDE ELEVATION ALL PIERS
SCALE 3/16" = 1'-0"



PIER PLAN-ALL PIERS
SCALE: 3/16" = 1'-0"



DETAIL OF PIER PAD
SCALE ½" = 1'0"

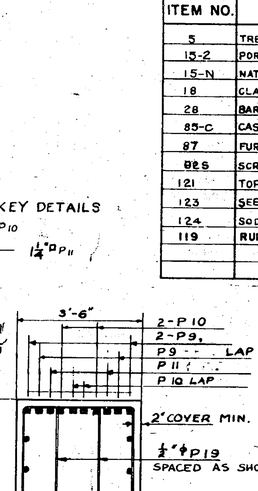


ALL CONCRETE IN PIERS ITEM 18
ALL REINFORCING BARS ITEM 28

REINFORCING SAME AS CENTER COLUMN

PIER DETAILS - ALL PIERS
SCALE ½" = 1'0"

PIER SYMMETRICAL ABOUT ℄



SECTION N-N

SUBSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
5	TRENCH, CULVERT & BRIDGE EXCAVATION	C.Y.	260	300
15-2	PORTLAND CEMENT, TYPE 2	BBL.	717	732
15-N	NATURAL CEMENT, TYPE N	BBL.	83	84
18	CLASS IA CONCRETE FOR STRUCTURES	C.Y.	412	420
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	46,000	47000
85-C	CAST IN PLACE CONCRETE PILES	L.F.	3490	3600
87	FURNISHING EQUIPMENT FOR DRIVING PILES	L.S.	NEC	NEC
88S	SCREENED GRAVEL - LOOSE MEASURE	C.Y.	45	55
121	TOP SOIL PLACED FROM STOCK PILES	C.Y.	360	380
123	SEEDING	ACRE.	.35	.4
124	SODDING	S.Y.	400	420
119	RUN OF BANK GRAVEL FILL	C.Y.	185	190

SUBSTRUCTURE

GENERAL NOTES

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHERE PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER (BRIDGES), IN WHICH CASE, HIS SUPPLEMENTAL INSTRUCTIONS SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATER-PROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41 W TO ALL EXPOSED SURFACES.

ALL SHOE BEARING SURFACES SHALL BE CAST ¼" ABOVE ELEVATIONS SHOWN ON THE PLANS, AND AFTER THE CONCRETE IS CURED, SHALL BE BUSH-HAMMERED TO THE REQUIRED ELEVATIONS.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS AT THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO THE CONSTRUCTION.

NOTE ~ FOR LOCATION OF IDENTIFICATION PLATE, SEE STANDARD SHEET 53-41.

CROSS REFERENCE

FOR LAYOUT OF PIERS SEE SHEET 35
FOR DETAILS OF REINFORCING BARS SEE SHEET 43
FOR DETAILS OF PIER FOUNDATION SEE SHEET 35
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 41

BUILT ACCORDING TO PLAN

SUBSTRUCTURE DETAILS

THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED:

J. F. Doyle Feb 16 -53
DATE

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5657

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			38	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

SUPERSTRUCTURE

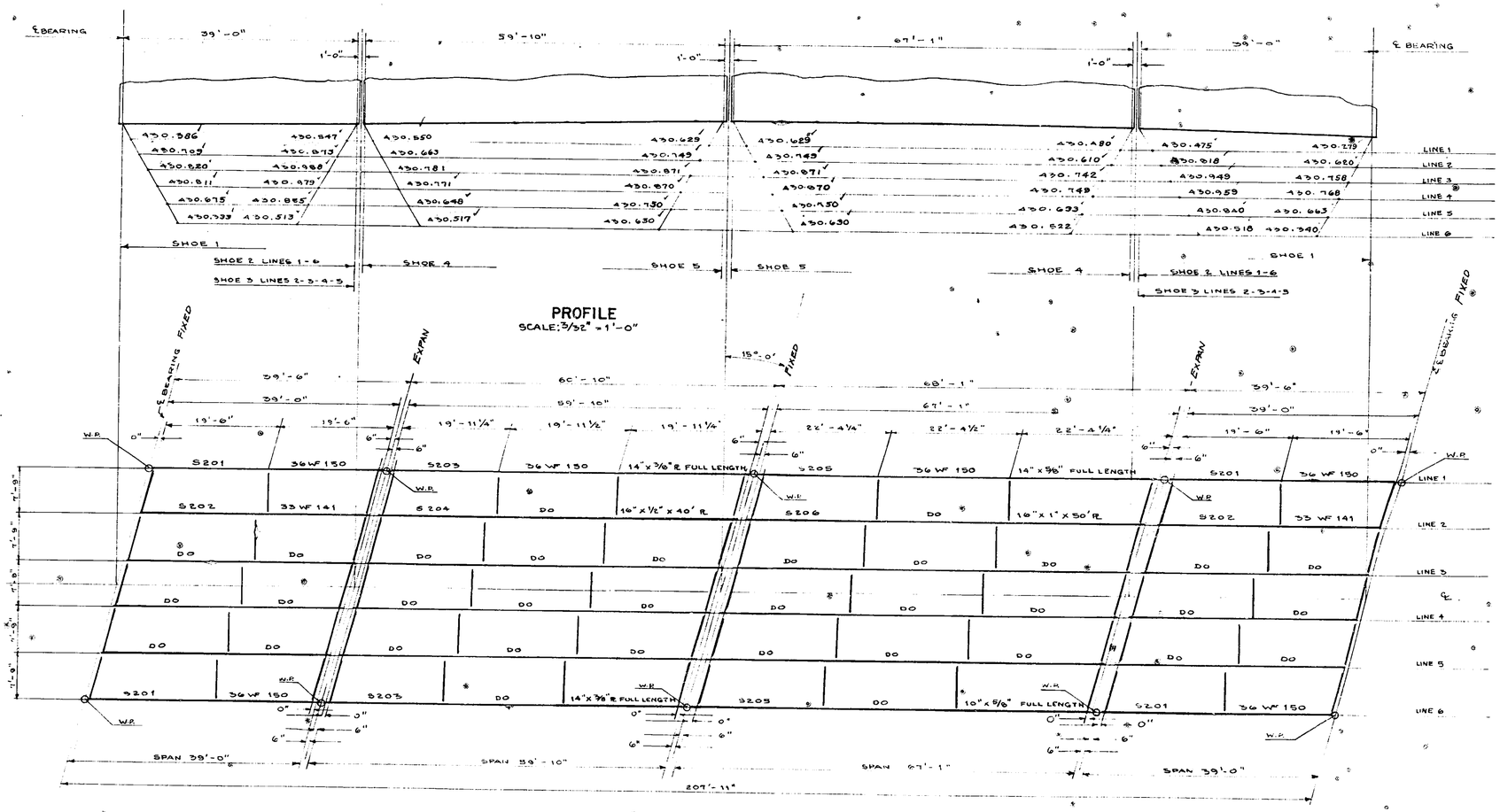
GENERAL NOTES

THE DESIGN OF THE STRUCTURE IS BASED ON A.A.S.H.O. SPECIFICATIONS, 1949 H20-S16-44 LOADING AND CURRENT MODIFICATIONS AND ADDITIONS.
ALL CONCRETE OF SUPERSTRUCTURE SHALL BE ITEM 18, EXCEPT CONCRETE OF PYLONS WHICH SHALL BE ITEM 19 AND CEMENT CONCRETE PAVEMENT WHICH SHALL BE ITEM 47 BM.
THE COST OF FURNISHING AND INSTALLING METAL EXPANSION MATERIAL, METAL WATER STOP, PREMOULDED BITUMINOUS JOINT MATERIAL, CAULKING COMPOUND, PARA-PLASTIC, SPONGE RUBBER, ASPHALT ROOFING FELT, SHALL BE INCLUDED IN THE BID PRICES OF THE RESPECTIVE CONCRETE ITEMS OF THE CONTRACT.
ALL MATERIALS, WORKMANSHIP AND FABRICATION SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS, JANUARY 2, 1951, AND CURRENT MODIFICATIONS AND ADDITIONS.
WHERE CAULKING COMPOUND IS TO CONTACT CONCRETE SURFACES, SUCH CONCRETE SHALL BE THOROUGHLY CLEANED AND DRY, AND PRIMED WITH A PRIMING COAT AT LEAST 30 MINUTES BEFORE THE APPLICATION OF CAULKING COMPOUND. THIS WORK SHALL BE DONE BY EXPERIENCED MEN, AND THE COMPLETE OPERATION SHALL BE SPECIALLY DIRECTED BY THE ENGINEER.
CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN THE PLANS, EXCEPT WHEN PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER OF BRIDGES, IN WHICH CASE HIS SUPPLEMENTAL INSTRUCTION SHALL BE STRICTLY FOLLOWED.
AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATERPROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41 W TO ALL EXPOSED SURFACES EXCEPT THE UNDERSIDE OF SLABS. TWO APPLICATIONS OF WATERPROOFING OIL TREATMENT SHALL BE APPLIED AT THE TOP OF THE SLAB. THE SECOND APPLICATION SHALL BE APPLIED TWO DAYS PRIOR TO THE PLACING OF THE PAVEMENT OR SIDEWALK.
IMMEDIATELY BEFORE PLACING PAVEMENT CONCRETE, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED, SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR, IF THE AIR TEMPERATURE IS 50°F. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE BID PRICE FOR ITEM 47 BM.
THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO CONSTRUCTION.

SUPERSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
15-2	PORTLAND CEMENT, TYPE 2	BBL.	390	411
15-N	NATURAL CEMENT, TYPE N	BBL.	76	80
18	CLASS 1A CONCRETE FOR STRUCTURES	C.Y.	276	290
19	CLASS 1A CONCRETE FOR RAILINGS	C.Y.	2.3	3
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	65,200	69000
28-B	SPIRAL BAR SHEAR CONNECTORS	LB.	2,150	2250
29	STRUCTURAL STEEL	LB.	252,200	259,800
37	METAL RAILINGS	L.F.	458	460
47-BM	CEMENT CONCRETE PAVEMENT	C.Y.	95	100
*25-F	STEEL FABRIC REINFORCEMENT	SY.	855	900
15-BA	PORTLAND CEMENT, TYPE 1A	BBL.	142	149

*STEEL FABRIC REINFORCEMENT TO BE FURNISHED IN FLAT SHEETS.



NOTE:
ELEVATIONS ARE TO BOTTOM OF BOTTOM FLANGE.

PREPARED AND RECOMMENDED J.J. Doyle Feb 16 53
URQUHART & DOYLE, CONSULTING ENGINEERS — DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SUPERSTRUCTURE DETAILS

THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			38	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

38R

SUPERSTRUCTURE

GENERAL NOTES

THE DESIGN OF THE STRUCTURE IS BASED ON A.A.S.H.O. SPECIFICATIONS, 1949 H20 - S16 - 44 LOADING AND CURRENT MODIFICATIONS AND ADDITIONS.

ALL CONCRETE OF SUPERSTRUCTURE SHALL BE ITEM 18, EXCEPT CONCRETE OF PYLONS WHICH SHALL BE ITEM 19 AND CEMENT CONCRETE PAVEMENT WHICH SHALL BE ITEM 47 BM.

THE COST OF FURNISHING AND INSTALLING METAL EXPANSION MATERIAL, METAL WATER STOP, PREMOULDED BITUMINOUS JOINT MATERIAL, CAULKING COMPOUND, PARA-PLASTIC, SPONGE RUBBER, ASPHALT ROOFING FELT, SHALL BE INCLUDED IN THE BID PRICES OF THE RESPECTIVE CONCRETE ITEMS OF THE CONTRACT.

ALL MATERIALS, WORKMANSHIP AND FABRICATION SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS, JANUARY 2, 1951, AND CURRENT MODIFICATIONS AND ADDITIONS.

WHERE CAULKING COMPOUND IS TO CONTACT CONCRETE SURFACES, SUCH CONCRETE SHALL BE THOROUGHLY CLEANED AND DRY, AND PRIMED WITH A PRIMING COAT AT LEAST 30 MINUTES BEFORE THE APPLICATION OF CAULKING COMPOUND. THIS WORK SHALL BE DONE BY EXPERIENCED MEN, AND THE COMPLETE OPERATION SHALL BE SPECIALLY DIRECTED BY THE ENGINEER.

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN THE PLANS, EXCEPT WHEN PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER OF BRIDGES, IN WHICH CASE HIS SUPPLEMENTAL INSTRUCTION SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATERPROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41 W TO ALL EXPOSED SURFACES EXCEPT THE UNDERSIDE OF SLABS. TWO APPLICATIONS OF WATERPROOFING OIL TREATMENT SHALL BE APPLIED AT THE TOP OF THE SLAB. THE SECOND APPLICATION SHALL BE APPLIED TWO DAYS PRIOR TO THE PLACING OF THE PAVEMENT OR SIDEWALK.

IMMEDIATELY BEFORE PLACING PAVEMENT CONCRETE, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR, IF THE AIR TEMPERATURE IS 50° F. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE BID PRICE FOR ITEM 47 BM.

THE CONTRACTORS ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO CONSTRUCTION.

SUPERSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
15-2	PORTLAND CEMENT, TYPE 2	BBL.	390	411
15-N	NATURAL CEMENT, TYPE N	BBL.	76	80
18	CLASS 1A CONCRETE FOR STRUCTURES	C.Y.	276	290
19	CLASS 1A CONCRETE FOR RAILINGS	C.Y.	2.7	3
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	65,200	69000
28-B	SPIRAL BAR SHEAR CONNECTORS	LB.	2,150	2250
29	STRUCTURAL STEEL	LB.	252,000	259,800
37	METAL RAILINGS	L.F.	458	460
47-BM	CEMENT CONCRETE PAVEMENT	C.Y.	95	100
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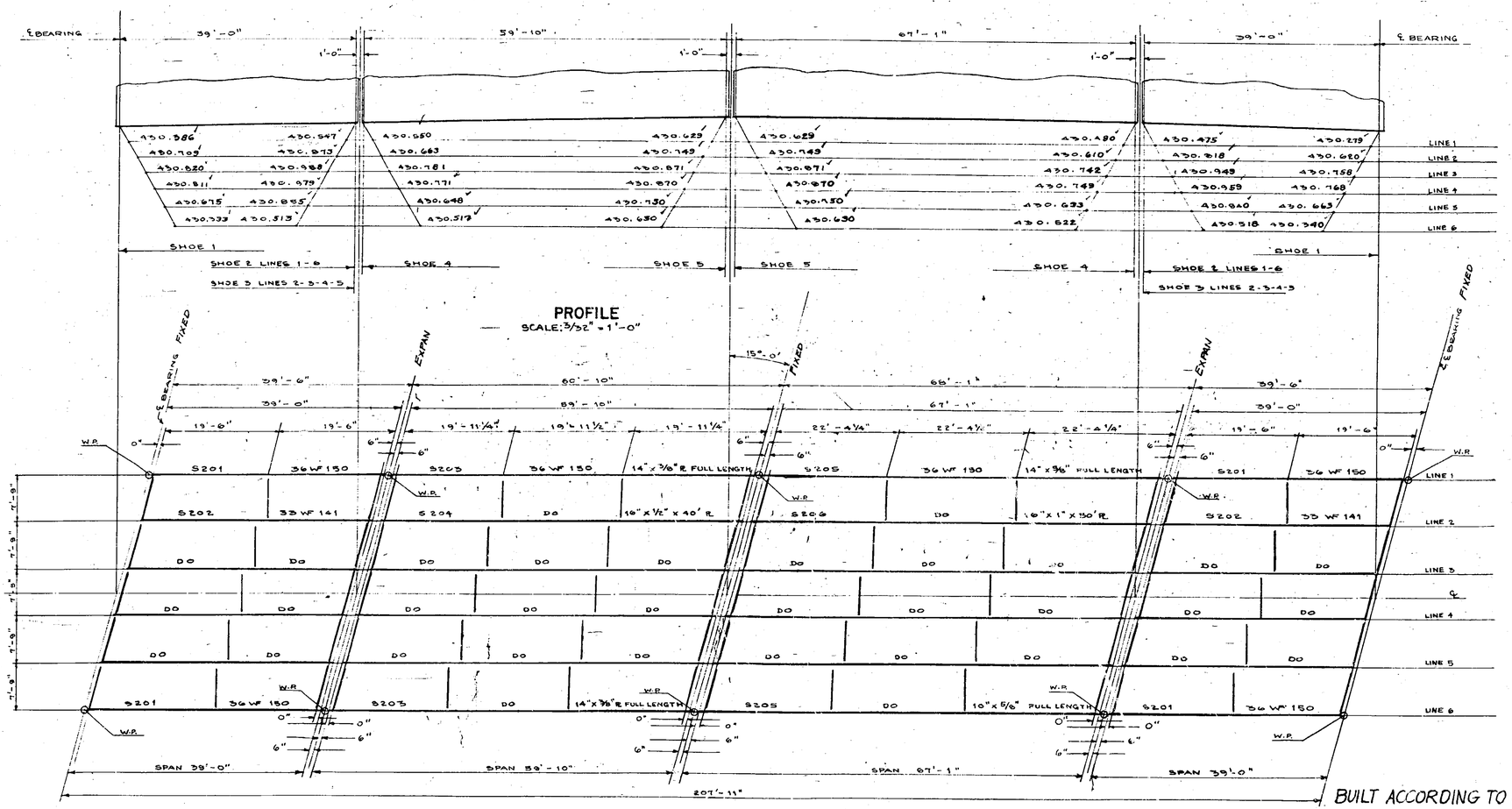
15-BA	PORTLAND CEMENT, TYPE 1 A	BBL.	142	149

*STEEL FABRIC REINFORCEMENT TO BE FURNISHED IN FLAT SHEETS.



NOTE:
ELEVATIONS ARE TO BOTTOM OF BOTTOM FLANGE.

BUILT ACCORDING TO PLAN

SUPERSTRUCTURE DETAILS

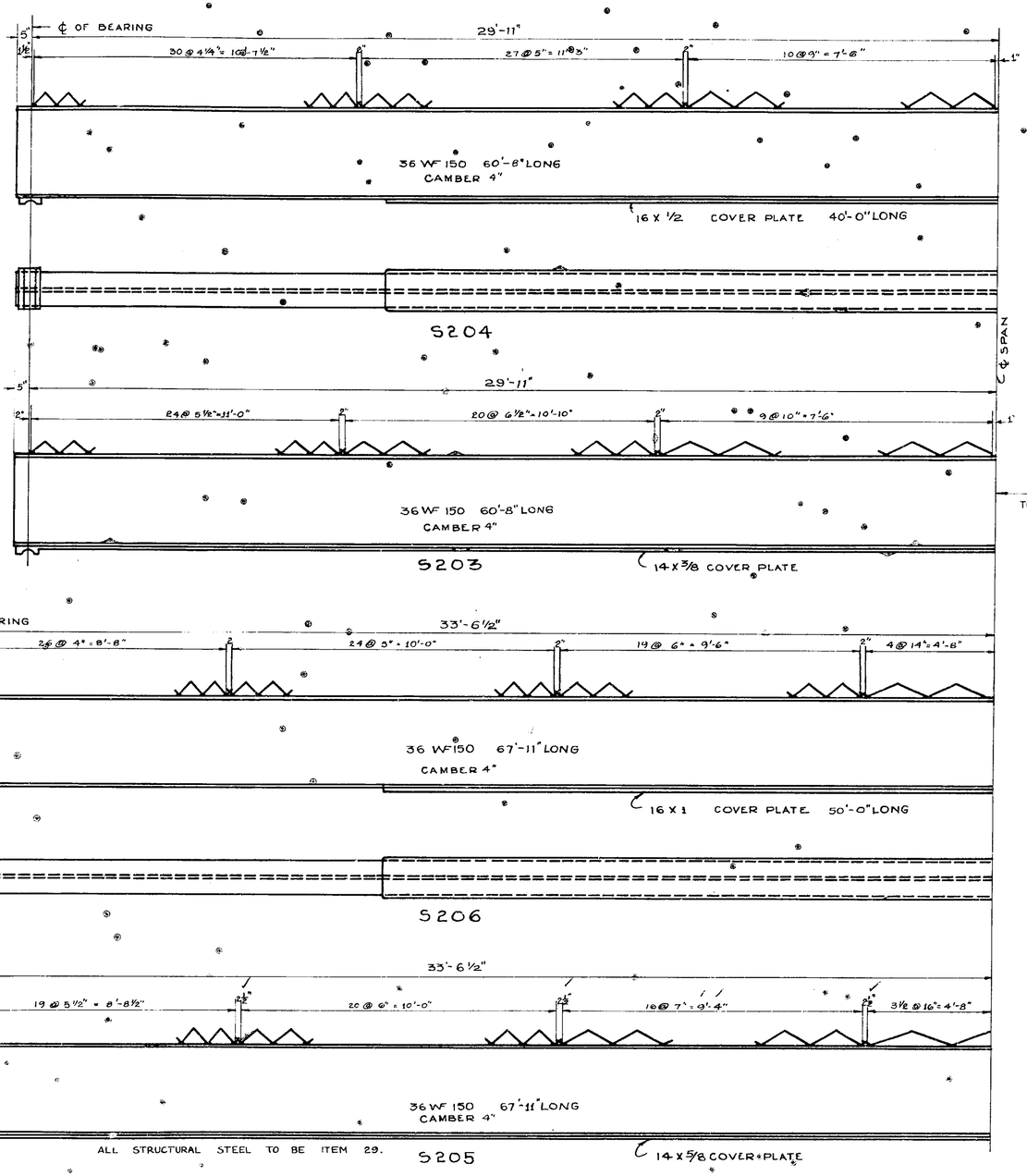
THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

SHEET 38

PREPARED AND RECOMMENDED J. J. Doyle Feb 16 53
URQUHART & DOYLE, CONSULTING ENGINEERS DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

24:1

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			39	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				



ALL STRUCTURAL STEEL TO BE ITEM 29.

NOTE:
ALL COVER PLATES TO BE WELDED WITH 5/16" CONTINUOUS FILLET WELDS.

SCALE: 1/2" = 1'-0" EXCEPT AS SHOWN

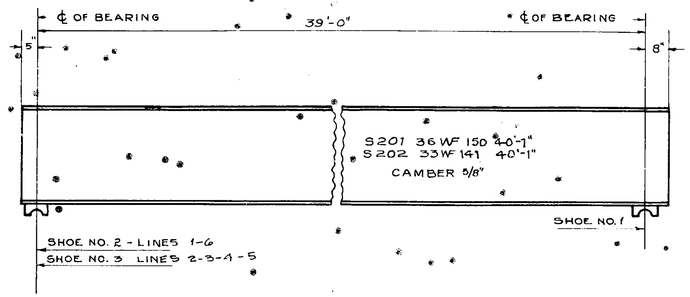
FOR SHOE DETAILS SEE SHEET 41

FOR FRAMING PLAN SEE SHEET 38

PREPARED AND RECOMMENDED:

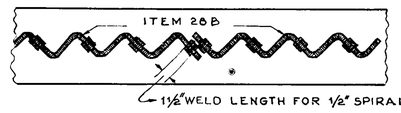
URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

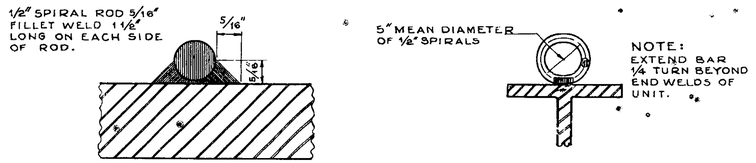
J.J. Doyle Feb 16-53
DATE



TO BE SYMMETRICAL OVER THIS ℄.

DO NOT PAINT SURFACE OF TOP FLANGE ON WHICH WELDS ARE MADE.





SPIRAL DETAILS
NOT TO SCALE
ALL SPIRAL SHEAR BARS ARE ITEM 28B

SPECIAL NOTES FOR SPIRALS

THE CONTRACTOR'S AND ENGINEER'S ATTENTION IS CALLED TO THE POSSIBILITY OF INTERFERENCE BETWEEN THE REINFORCING STEEL IN THE SLAB AND THE BEAM SPIRALS. WHILE STEEL SPACING IS GIVEN AS 5 1/2 INCHES, IT IS TO BE UNDERSTOOD THAT 2 BARS IN EACH 0 FT. 11 IN. WILL FULFILL THIS REQUIREMENT IF NO TWO BARS ARE CLOSER THAN 1" LESS THAN REQUIRED SPACING OR FURTHER APART THAN 1" MORE THAN REQUIRED SPACING. IF NECESSARY, SOME BARS MAY BE THREADED THRU ONE OR MORE SPIRALS. ALL SPIRALS MUST HAVE TWO STRUCTURAL WELDS 5/16" X 1 1/2" LONG, AT EACH SIDE OF THE BAR AS SHOWN. 5/32" OR 3/16" DIAMETER ELECTRODES SHALL BE USED IN WELDING THE SPIRAL BAR REINFORCEMENT. SPECIAL PRECAUTIONS MUST BE EXERCISED WHERE WELDING CROSSES EDGE OF FLANGE TO AVOID ANY POSSIBILITY OF 'UNDERCUT' OR NICKS IN THE EDGE OF FLANGE.

SUPERSTRUCTURE DETAILS

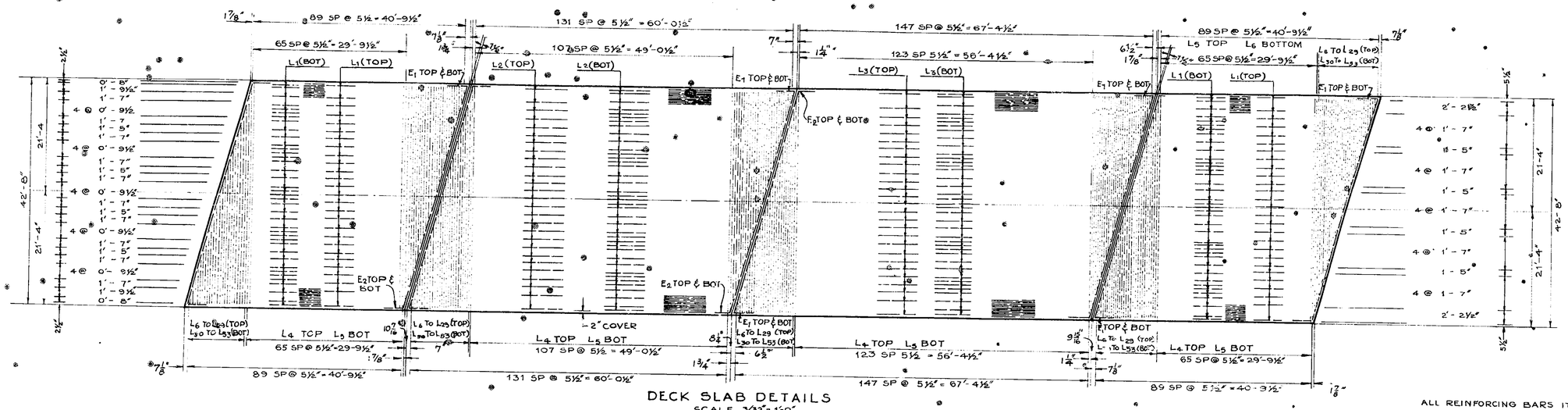
THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			40	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B

INTERCHANGE AT THOMPSON ROAD

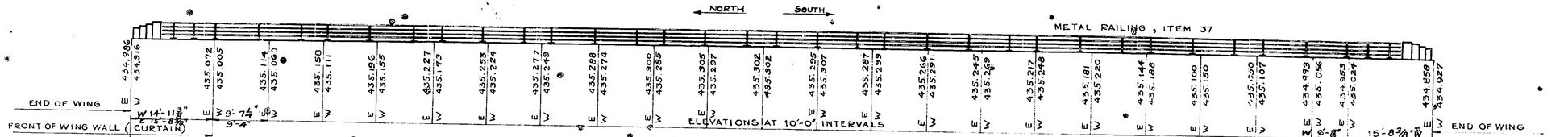


DECK SLAB DETAILS

SCALE 3/32" = 1'-0"

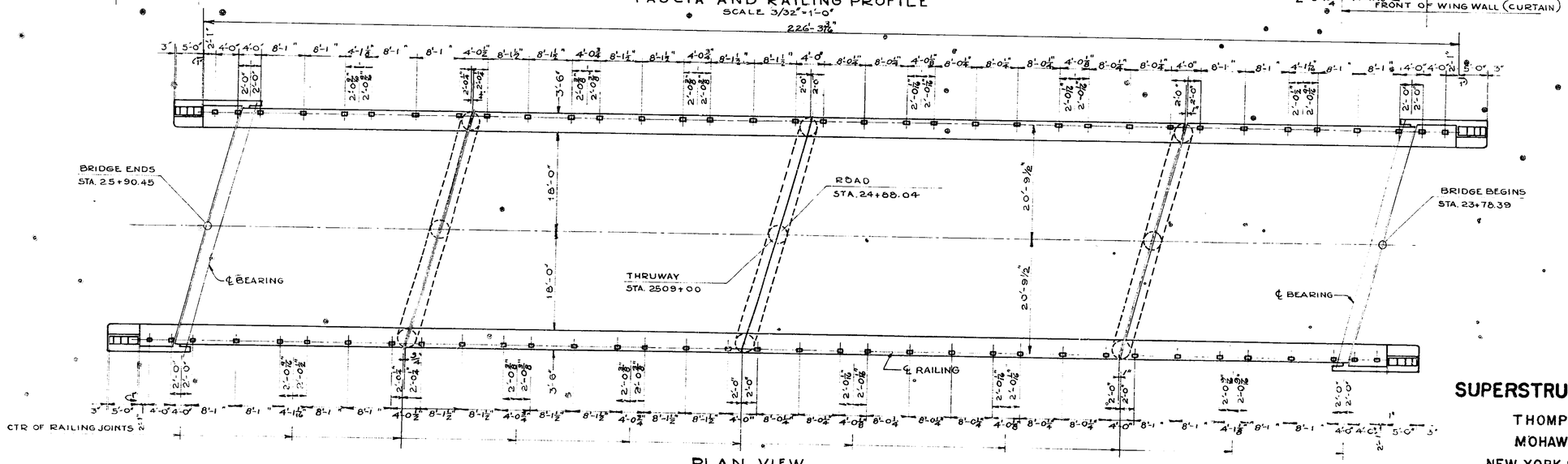
ALL REINFORCING BARS ITEM 28

ALL REINFORCING BARS IN DECK SLAB 5/8" ø



FASCIA AND RAILING PROFILE

SCALE 3/32" = 1'-0"



PLAN VIEW

SCALE 3/32" = 1'-0"

SUPERSTRUCTURE DETAILS

THOMPSON ROAD

MOHAWK SECTION

NEW YORK STATE THRUWAY

CROSS REFERENCE

FOR DETAILS OF METAL RAILING SEE SHEET 41

FOR DETAILS OF REINFORCING BARS SEE SHEET 43

FOR DETAILS OF DECK SEE SHEET 42

FOR DETAILS OF SLAB JOINTS SEE SHEET 42

PREPARED AND RECOMMENDED

E J Doyle 5-16-53

JROUHART & DOYLE CONSULTING ENGINEERS — DATE

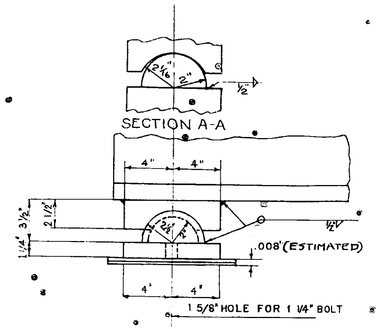
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

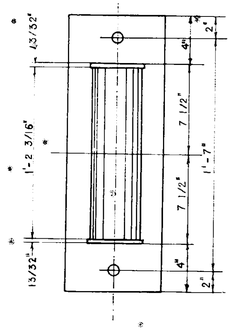
24:1

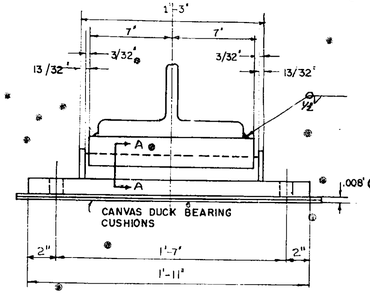
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			41	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B

INTERCHANGE AT THOMPSON ROAD

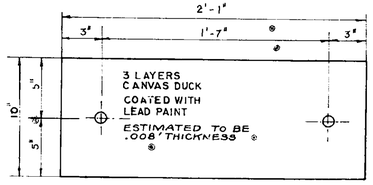




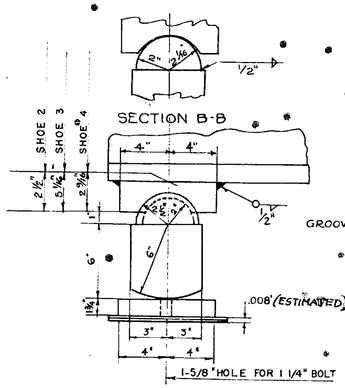


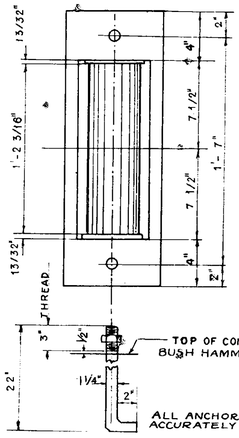
NOTE:
1/2" WELD ON ALL SHOES

SHOE 1



CANVAS DUCK BEARING CUSHION

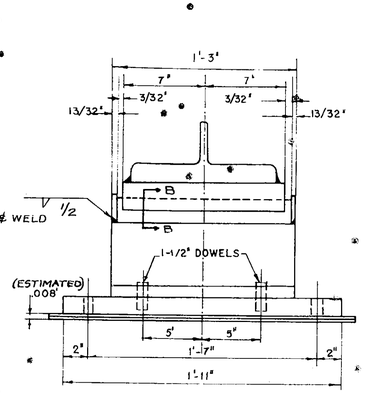




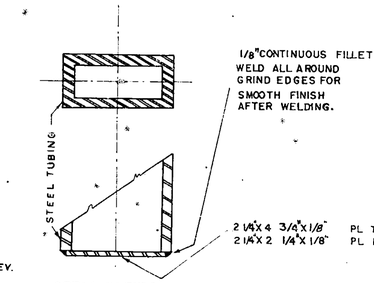
DETAIL OF ANCHOR BOLT

ALL SHOES ITEM 29

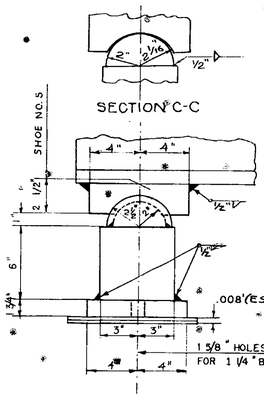
SCALE OF SHOES @ 2"= 1'-0"

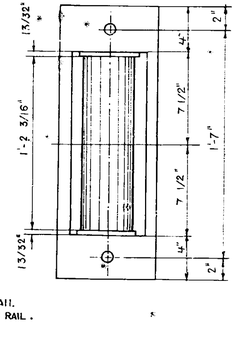


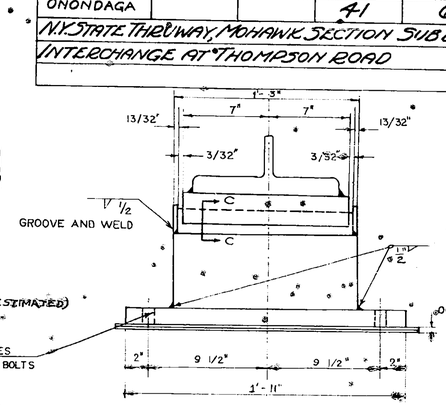
SHOES 2,3,4,



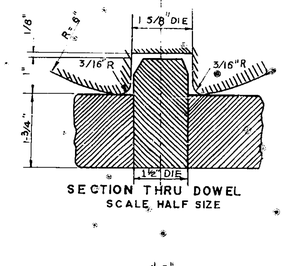
DETAIL AT ENDS OF RAILS
NOT TO SCALE



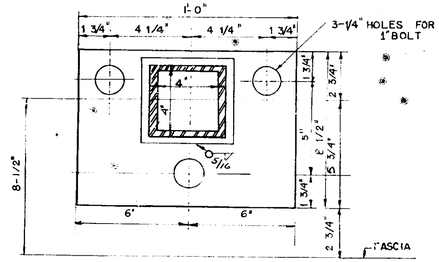




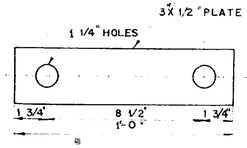
SHOE 5



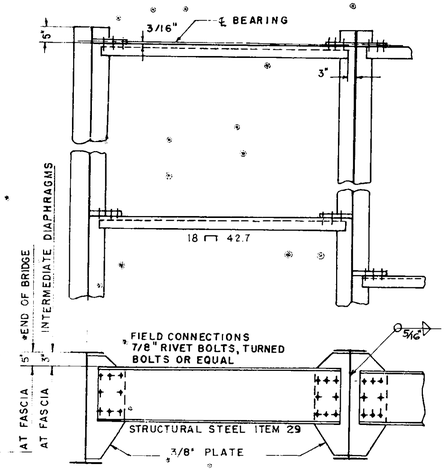
SECTION THRU DOWEL
SCALE, HALF SIZE



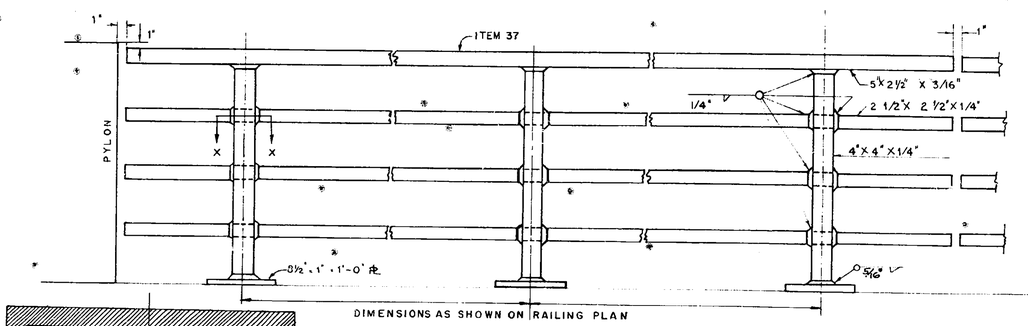
RAIL POST BASE PLATE
SCALE 3"= 1'-0"



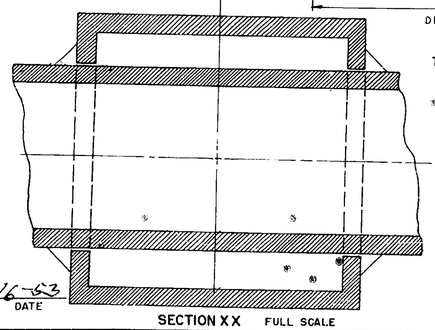
RAILING ANCHOR PLATE
SCALE 3"= 1'-0"



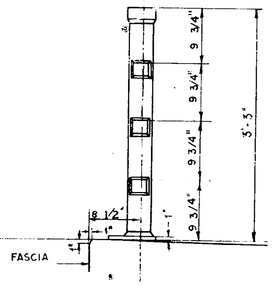
TYPICAL DIAPHRAGM DETAILS



TYPICAL RAILING DETAIL
SCALE 1"=1'-0"



SECTION XX FULL SCALE



SECTION THRU RAILING

NOTE:

WHERE STEEL EXCEEDING ONE INCH IN THICKNESS IS TO BE WELDED MILD STEEL ARC-WELDING ELECTRODES WITH COVERING OF LOW HYDROGEN TYPE SHALL BE USED

THESE ELECTRODES MUST COMPLY WITH A.S.T.M (A233-48 T) REQUIREMENTS FOR CLASSIFICATION E 6015 OR E 6016

ALL RAILINGS ARE TO BE FABRICATED AND ERECTED SO THAT RAILS ARE PARALLEL TO EACH OTHER AND TO THE TOP OF FASCIA AND POSTS ARE TRULY VERTICAL.

FOR NOTES AND DETAILS NOT SHOWN, SEE STD. SHEET 53-106.

PREPARED AND RECOMMENDED:

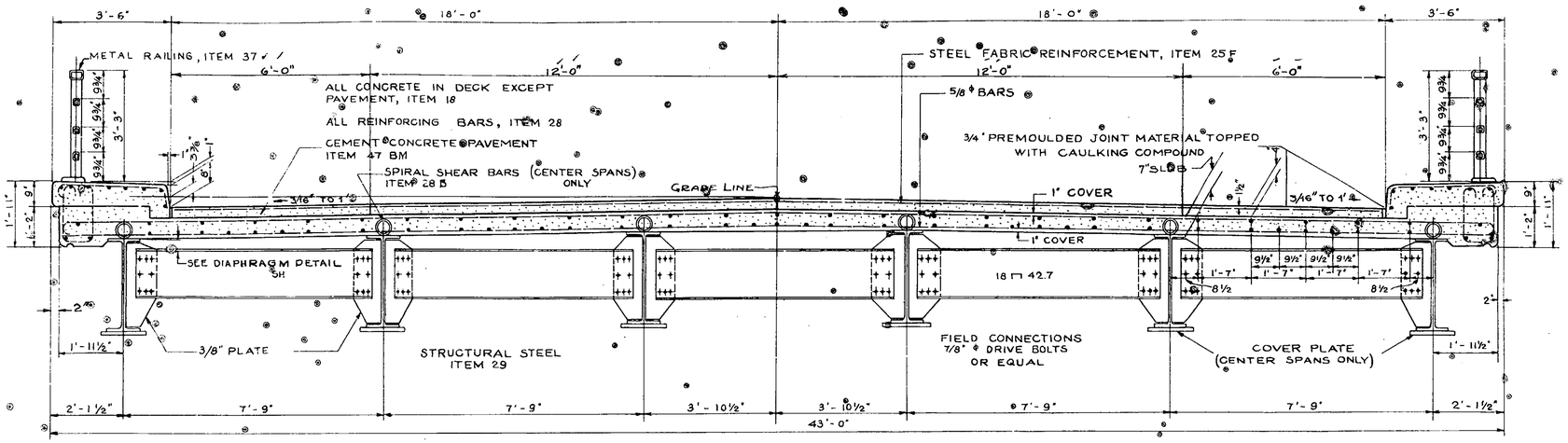
URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

DATE 2-16-53

SUPERSTRUCTURE DETAILS

THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			42.	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8&8				
INTERCHANGE AT THOMPSON ROAD				

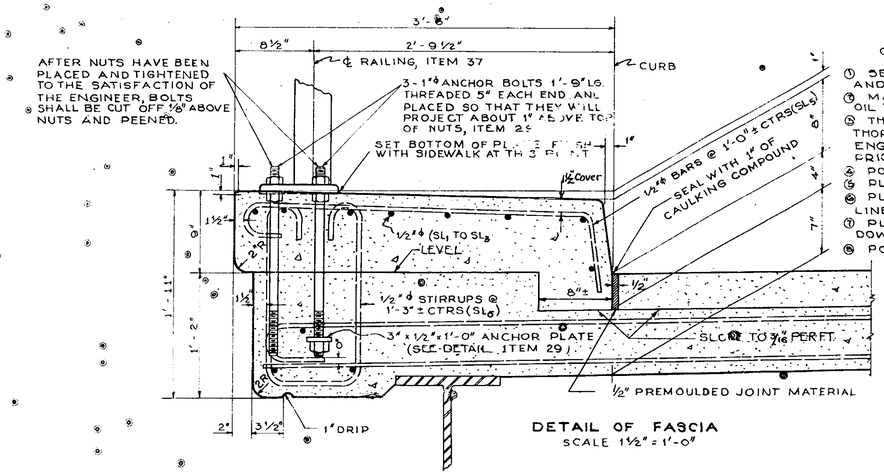


TRANSVERSE SECTION
SCALE ½"=1'-0"

NOTE:
IMMEDIATELY BEFORE PLACING CONCRETE PAVEMENT, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR IF THE AIR TEMPERATURE IS ABOVE 50°F. COST OF SAME TO BE UNDER ITEM 1WA.

CEMENT IN ITEM 470M TO BE PORTLAND CEMENT TYPE I A, ITEM 15-BA.

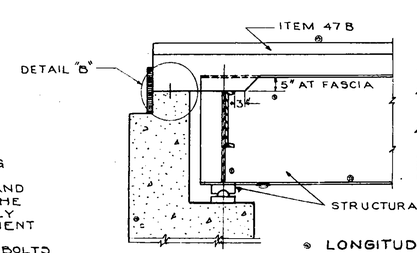
CEMENT IN ITEMS 18 & 19 TO BE 7 PARTS PORTLAND CEMENT, TYPE 2, ITEM 15-2 AND ONE PART NATURAL CEMENT TYPE N, ITEM 15 N.

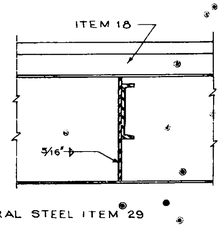


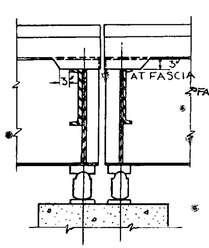
DETAIL OF FASCIA
SCALE 1½"=1'-0"

CONSTRUCTION PROCEDURE

① SET ANCHOR-BOLTS BY MEANS OF TEMPLATE AND POUR SLAB.
② MAKE TWO APPLICATIONS OF WATER-PROOFING OIL TREATMENT M41-W TO THE TOP OF SLAB.
③ THE TOP OF THE SLAB SHALL BE CONTINUOUSLY AND THOROUGHLY WETTED DOWN, AS DIRECTED BY THE ENGINEER FOR AT LEAST ONE HOUR, IMMEDIATELY PRIOR TO THE PLACING OF THE ROADWAY PAVEMENT
④ POUR ROADWAY PAVEMENT.
⑤ PLACE LOWER NUTS ON UPPER END OF ANCHOR BOLTS
⑥ PLACE RAILING ON LOWER NUTS AND ADJUST TO LINE AND GRADE.
⑦ PLACE UPPER NUTS ON ANCHOR BOLTS TIGHTEN DOWN ON PLATES.
⑧ POUR SIDEWALK TO PROPER LINE AND GRADE

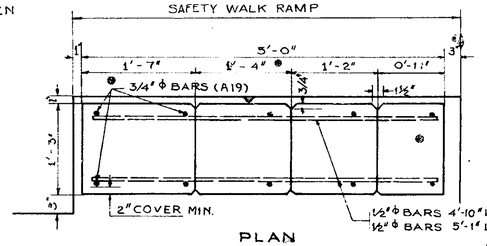




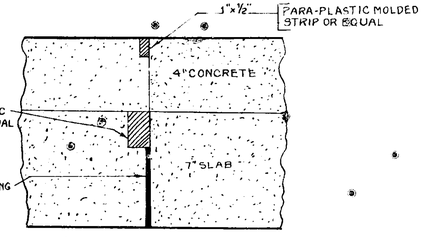


LONGITUDINAL SECTION
SCALE ½"=1'-0"

NOTE:
ALL DIAPHRAGMS SET LEVEL. INTERMEDIATE DIAPHRAGMS PERPENDICULAR TO GIRDERS WITH TOPS 3" BELOW TOP OF FASCIA GIRDERS. TOPS OF END DIAPHRAGMS 5" BELOW TOP OF FASCIA GIRDERS.

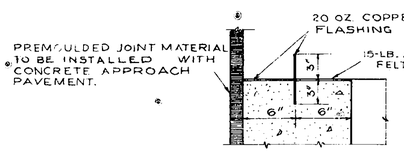


PLAN
SCALE 1"=1'-0"

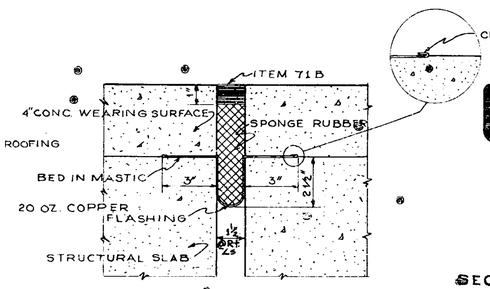


DETAIL OF JOINT OVER CENTER PIER
SCALE: 3"=1'-0"

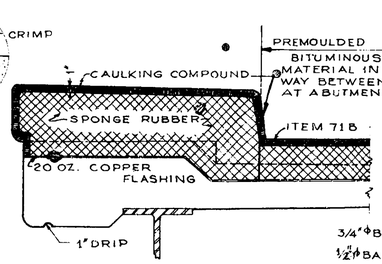
NOTE:
FLASHINGS OR WATERSTOPS ARE TO BE PROTECTED FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AS ORDERED BY THE ENGINEER. BENDING OR ALTERING THE SHAPE AS SHOWN IN ANY MANNER WILL NOT BE ALLOWED.



DETAIL B
SCALE 1½"=1'-0"

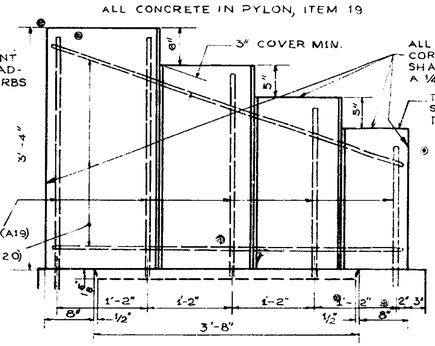


DETAIL OF JOINT OVER N-S PIERS
SCALE 3"=1'-0"



SECTION THRU SAFETY WALK AT JOINT
SCALE 1"=1'-0"

NOTE:
SPONGE RUBBER SHALL COMPLY WITH THE REQUIREMENTS FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE, A.S.T.M. DESIGNATION D 544.
ASPHALT ROOFING FELT SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF A.S.T.M., DESIGNATION D 266.



ELEVATION OF PYLON
SCALE 1"=1'-0"

SUPERSTRUCTURE DETAILS

THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

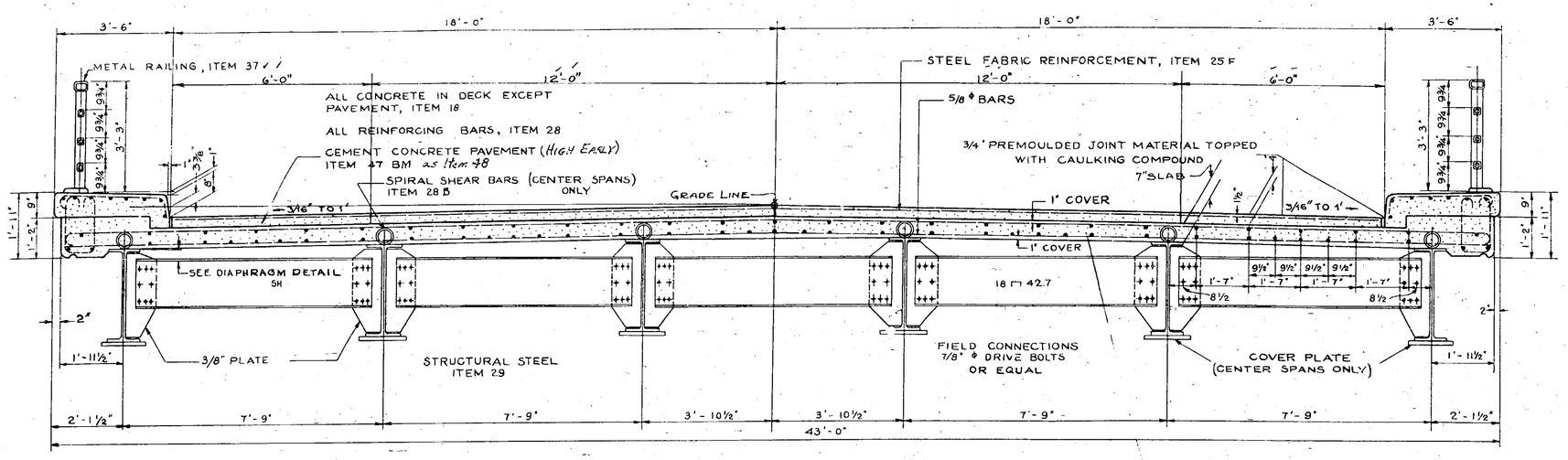
PREPARED AND RECOMMENDED:

J. G. Doyle Feb 10-53
DATE

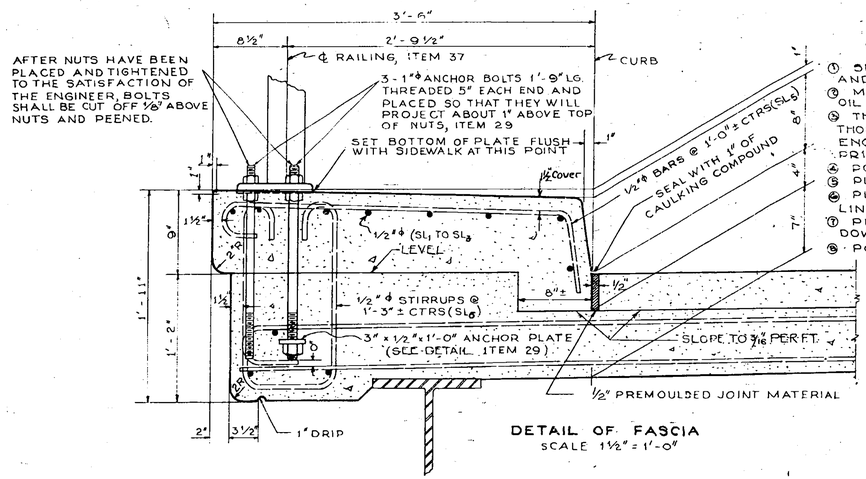
URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			42	66
NY. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

42R



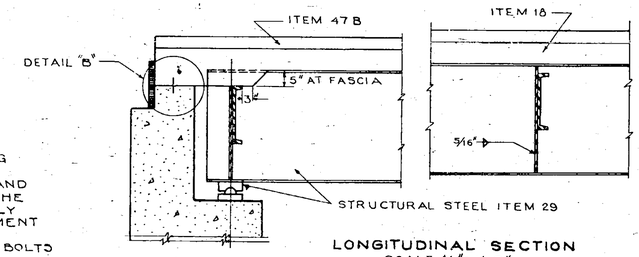
TRANSVERSE SECTION
SCALE ½" = 1'-0"



DETAIL OF FASCIA
SCALE 1½" = 1'-0"

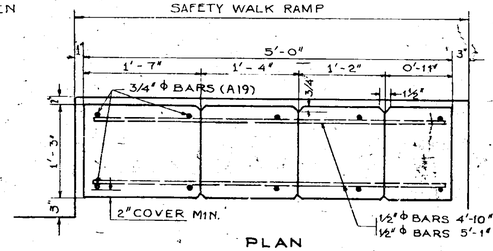
CONSTRUCTION PROCEDURE

① SET ANCHOR-BOLTS BY MEANS OF TEMPLATE AND POUR SLAB.
② MAKE TWO APPLICATIONS OF WATER-PROOFING OIL TREATMENT M 41-W TO THE TOP OF SLAB.
③ THE TOP OF THE SLAB SHALL BE CONTINUOUSLY AND THOROUGHLY WETTED DOWN, AS DIRECTED BY THE ENGINEER FOR AT LEAST ONE HOUR, IMMEDIATELY PRIOR TO THE PLACING OF THE ROADWAY PAVEMENT
④ POUR ROADWAY PAVEMENT.
⑤ PLACE LOWER NUTS ON UPPER END OF ANCHOR BOLTS
⑥ PLACE RAILING ON LOWER NUTS AND ADJUST TO LINE AND GRADE.
⑦ PLACE UPPER NUTS ON ANCHOR BOLTS TIGHTEN DOWN ON PLATES.
⑧ POUR SIDEWALK TO PROPER LINE AND GRADE

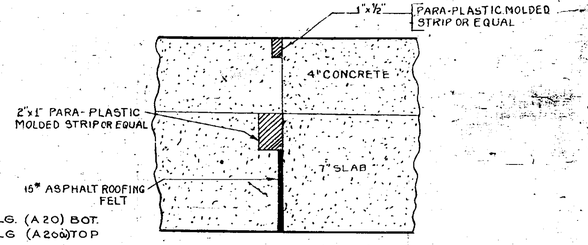


LONGITUDINAL SECTION
SCALE ½" = 1'-0"

NOTE:
ALL DIAPHRAGMS SET LEVEL. INTERMEDIATE DIAPHRAGMS PERPENDICULAR TO GIRDERS WITH TOPS 3" BELOW TOP OF FASCIA GIRDERS. TOPS OF END DIAPHRAGMS 5" BELOW TOP OF FASCIA GIRDERS.

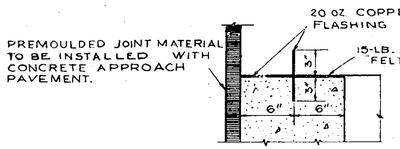


PLAN
SCALE 1" = 1'-0"

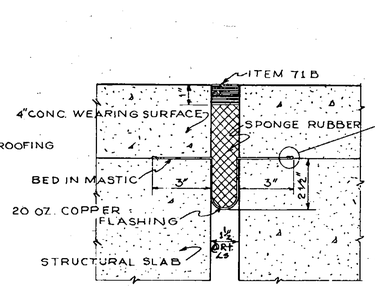


DETAIL OF JOINT OVER CENTER PIER
SCALE: 3" = 1'-0"

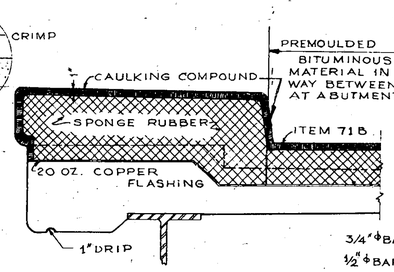
NOTE:
FLASHINGS OR WATERSTOPS ARE TO BE PROTECTED FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AS ORDERED BY THE ENGINEER. BENDING OR ALTERING THE SHAPE AS SHOWN IN ANY MANNER WILL NOT BE ALLOWED.



DETAIL B
SCALE 1½" = 1'-0"

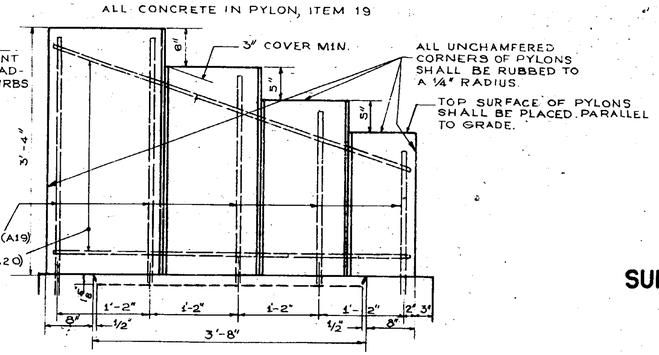


DETAIL OF JOINT OVER N-S PIERS
SCALE 3" = 1'-0"



SECTION THRU SAFETY WALK AT JOINT
SCALE 1" = 1'-0"

NOTE:
SPONGE RUBBER SHALL COMPLY WITH THE REQUIREMENTS FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE, A S T M DESIGNATION D 544
ASPHALT ROOFING FELT SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF AS.T.M., DESIGNATION D 226.



ELEVATION OF PYLON
SCALE 1" = 1'-0"

BUILT ACCORDING TO PLAN

SUPERSTRUCTURE DETAILS

THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED: Ed Doyle Feb 10-63
DATE

HOWARD T. HOYT, E. CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SHEET 42

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			43	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 8B
INTERCHANGE AT THOMPSON ROAD

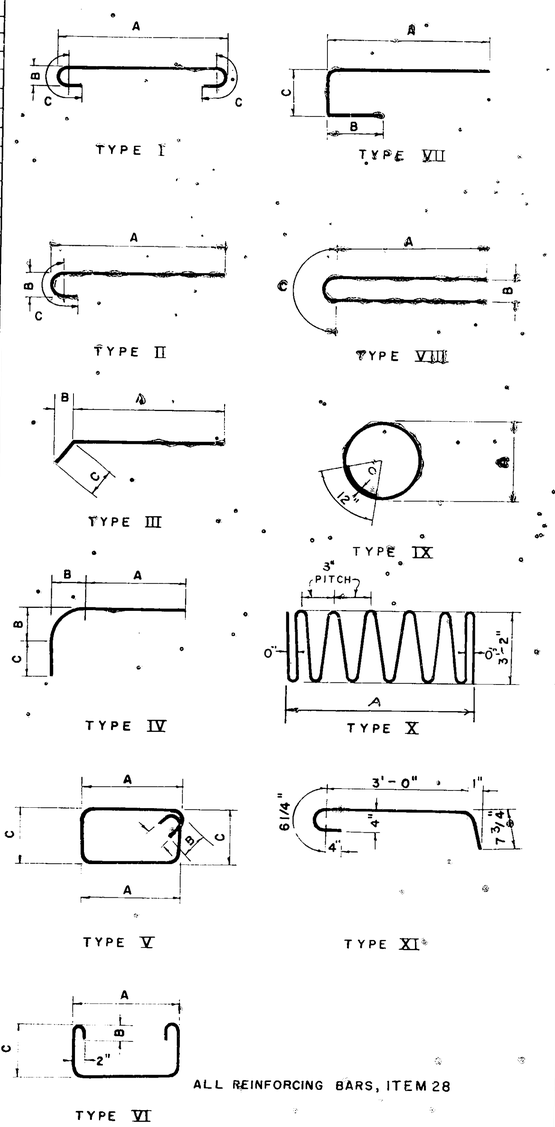
SUPERSTRUCTURE BAR LIST

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
L1	5/9 ϕ	54	40-10	STR				TOP OF DECK SLAB (LONG)
L1		78	40-10					BOTTOM
L2		54	31-0					TOP
L2		78	31-0					BOTTOM
L3		54	34-9					TOP
L3		78	34-9					BOTTOM
L4		364	43-8	I	42-5	0-5	0-10	TOP (TRANS)
L5		364	42-5	STR				BOTTOM
L6		8	2-1	II	1-5 1/2	0-5	0-10	TOP
L7			3-10		3-2			
L8			5-6		4-10			
L9			" -3		6-7			
L10			8-11		8-3 1/2			
L11			10-8		10-0			
L12			12-4		11-8 1/2			
L13			14-1		13-5			
L14			15-9		15-1 1/2			
L15			17-6		16-10			
L16			19-2		18-6 1/2			
L17			20-11		20-3			
L18			22-7		21-11 1/2			
L19			24-4		23-8			
L20			26-0		25-4 1/2			
L21			27-9		27-1			
L22			29-5		28-9 1/2			
L23			31-2		30-6			
L24			32-10		32-2 1/2			
L25			34-7		33-11			
L26			36-3		35-7 1/2			
L27			38-0		37-4			
L28			39-8		39-0			
L29			41-5		40-9			
L30			1-5 1/2	STR				BOTTOM
L31			3-2					
L32			4-10					
L33			6-7					
L34			8-3					
L35			10-0					
L36			11-8					
L37			13-5					
L38			15-1 1/2					
L39			16-10					
L40			18-6 1/2					
L41			20-3					
L42			21-11 1/2					
L43			23-8					
L44			25-4					
L45			27-1					
L46			28-9					
L47			30-6					
L48			32-2					
L49			33-11					
L50			35-7					
L51			37-4					
L52			39-0					
L53			40-9					
E1			26-8	II	22-10 (1-0 1/2)	3-10		ACUTE CORNERS
E2			26-8	III	22-10 1-0 1/2	3-10		OBTUSE "
A20		8	4-10	STR				PYLONS
A20		8	5-1					
SL1	1/2 ϕ	32	40-10	STR				SIDEWALKS END SPANS
SL2		32	31-0					NORTH CENTER SPAN
SL3		32	34-9					SOUTH CENTER SPAN
SL5		420	4-6	XI				ALL SPANS
SL6		336	4-7	VI	0-10	0-3	1-7	ALL SPANS

SUBSTRUCTURE BAR LIST

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
AF1	3/4 ϕ	72	9-1	STR				ABUT. FOOTINGS & BACKWALL
AF2		48	6-7					" " & BRG. SEATS
AF3		84	11-3					WING WALLS
AF4		24	47-7					ABUT. FOOTINGS
AF11	1/2 ϕ	40	5-3					WINGWALL FOOTINGS
AF12	1/2 ϕ	80	5-0					ABUT. FOOTINGS
PF1	1 ϕ	108	9-0	II	8-0	0-8	1-4	PIER FOOTINGS
PF2	1 1/4 ϕ	56	11-0	I	8-6	0-10	1-8	
PF3		8	9-10		7-6	0-10	1-8	
PF4		36	10-6		8-0	0-10	1-8	
PF5		20	10-4		7-10	0-10	1-8	
A1	3/4 ϕ	16	47-0	STR				ABUT. BACKWALLS
A2		8	19-1	VII	16-0	2-6	0-6 1/2	WINGWALLS SW - NE
		8	17-7		14-6			SE - NW
A3		8	18-0 1/2	VII	16-6	3-0	4-6 1/2	" SE - NW
		8	17-9 1/2		10-3			SW - NE
A4	1/2 ϕ	48	9-6	VI	2-4	0-4	3-2	BEARING SEATS
A6	1/2 ϕ	28	4-6	STR				WINGWALLS
A7		8	6-10					
A8		8	11-6					
A19	3/4 ϕ	40	7-0	STR				PYLON DOWELS
P1	1 ϕ	36	15-5	STR				PIER COLUMNS N PIER
P2			16-2					C "
P3			15-2					S "
P4	1/4 ϕ	63	30-0	X	11-7			N "
P5		66		"	12-4			C "
P6		63		"	11-4			S "
P7	1 1/4 ϕ	24	11-0	STR				PIER CAPS
P8		6	48-4	II	42-2	2-10		
P8A		6	39-0	STR				
P9		12	30-5	IV	25-9	1-6	2-3	
P10		12	31-4		26-8	1-6	2-3	
P11		12	10-8		6-0	1-6	2-3 1/2	
P15	1/2 ϕ	72	1-6	STR				PIER PADS
P16	1/2 ϕ	36	10'-0"	V	2-0	0-3	2-8	" "
P17	5/8 ϕ	36	21-4	STR				PIER CAPS
P18	5/8 ϕ	30	10-5	VIII	3-0	3-0	4-5	" "
P19	1/2 ϕ	168	13-8	V	2-1	0-3	3-8	" "
PL1	3/4 ϕ	60	16-11	II	16-2	0-6	1-0	N. ABUT. (VERT PILES)
		60	23-11		23-2			" (BATT PILES) BASED ON
		114	12-5		11-8			N. & C. PIER & S. ABUT. (VERT. PILES) ESTIMATED
		252	17-5		16-8			" " " (BATT. PILES) LENGTH
		24	9-1		8-4			S. PIER (VERT. PILES) OF
		84	12-5		11-8			" (BATT. PILES) PILES
PL2	1/4 ϕ	1780	3-0	IX	0-8			ALL PILES (EST. FOR 12" STR. PILES)
AF5	3/4 ϕ	8	10-6	STR				WING WALL TO ABUT. FOOTINGS
AF6			10-5					
AF7			11-1					
AF8			11-4					
AF9			11-7					
AF10			11-10					

BAR DETAILS



ALL REINFORCING BARS, ITEM 28

BAR LIST

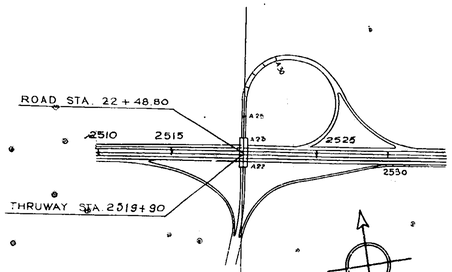
THOMPSON ROAD
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED G. J. Doyle Feb 16-53
URQUHART & DOYLE CONSULTING ENGINEERS — DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

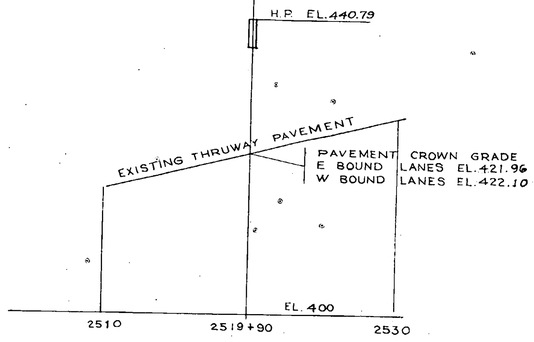
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			44	66

NY STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8B

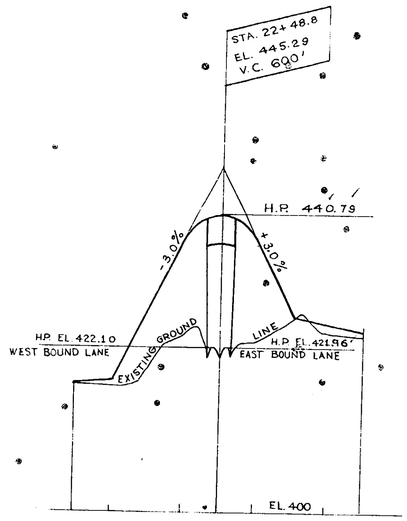
INTERCHANGE AT THOMPSON ROAD



PLAN
SCALE 1"=500'

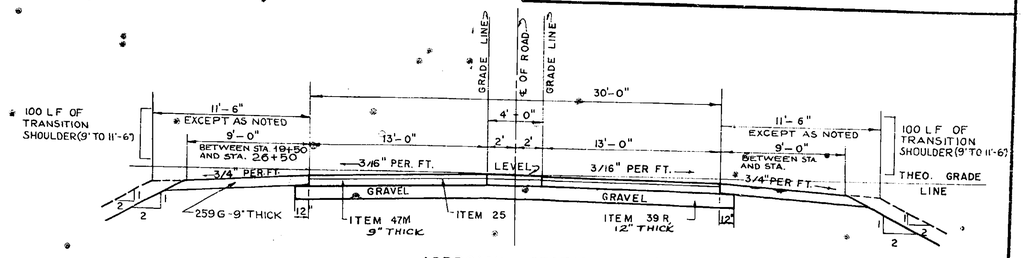


THRUWAY PROFILE
SCALES HOR 1"=500'
VERT 1"=10'



⊗B2

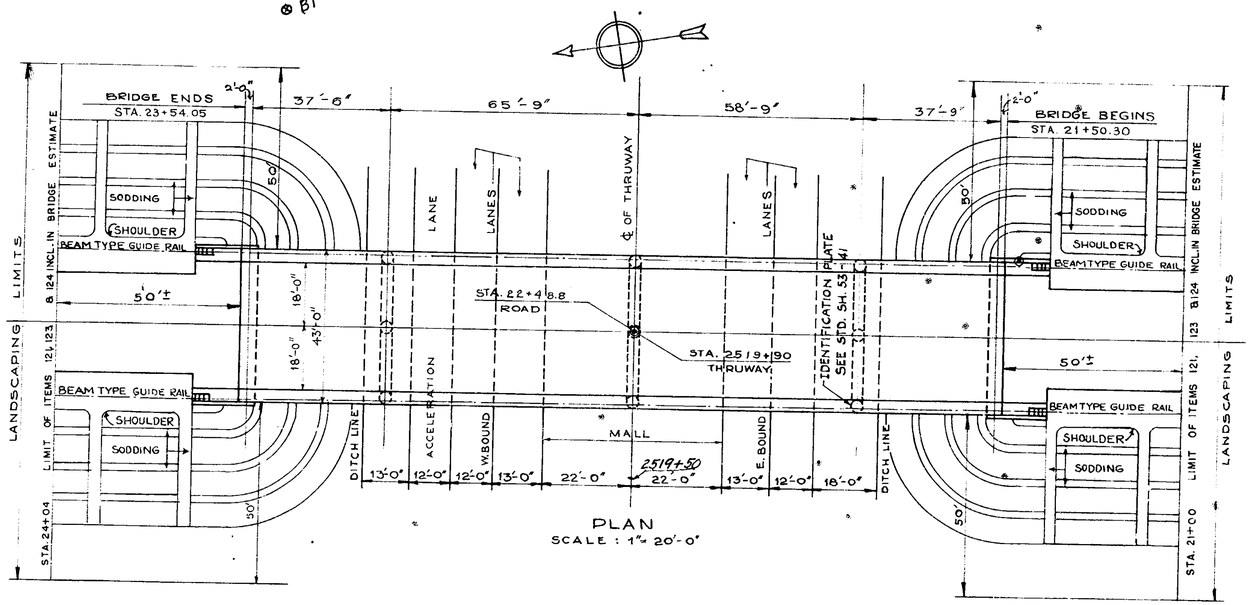
ROAD PROFILE
SCALES HOR 1"=500'
VERT 1"=10'



APPROACH SECTION
SCALE: 3/16"=1'-0"

⊗B3

⊗B1



PLAN
SCALE: 1"=20'-0"

DEPARTMENT OF PUBLIC WORKS

RECOMMENDED _____ WM. ROBINSON, DISTRICT ENGINEER — DATE 7/6/53

APPROVED _____ E.T. GAWKINS, DEPUTY CHIEF ENGINEER — DATE 8/1/53

_____ E.W. WENDELL, DEPUTY CHIEF ENGINEER — DATE

_____ J.B. MCMORRAN, CHIEF ENGINEER — DATE 8/4/53

APPROVED _____ 1953
NEW YORK STATE THRUWAY AUTHORITY
B.D. TALLAMY CHAIRMAN
BY C.H. LANG
_____
DEPUTY CHIEF ENGINEER

PREPARED AND RECOMMENDED

_____ DATE Aug 22-53
URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

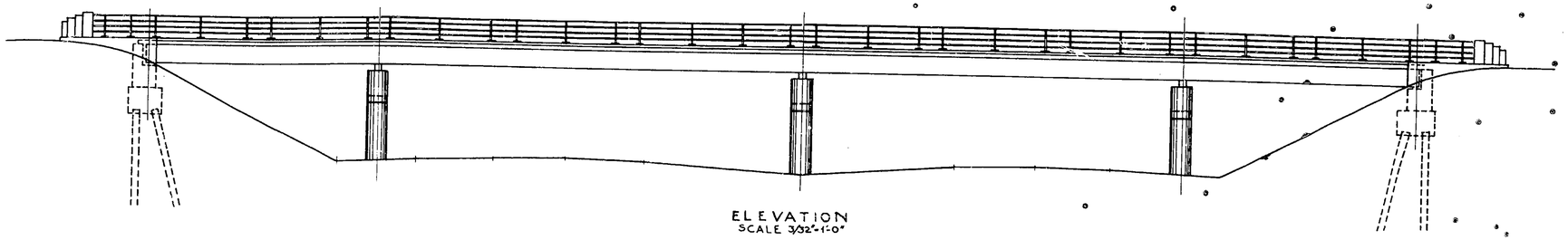
PRELIMINARY LAYOUT

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

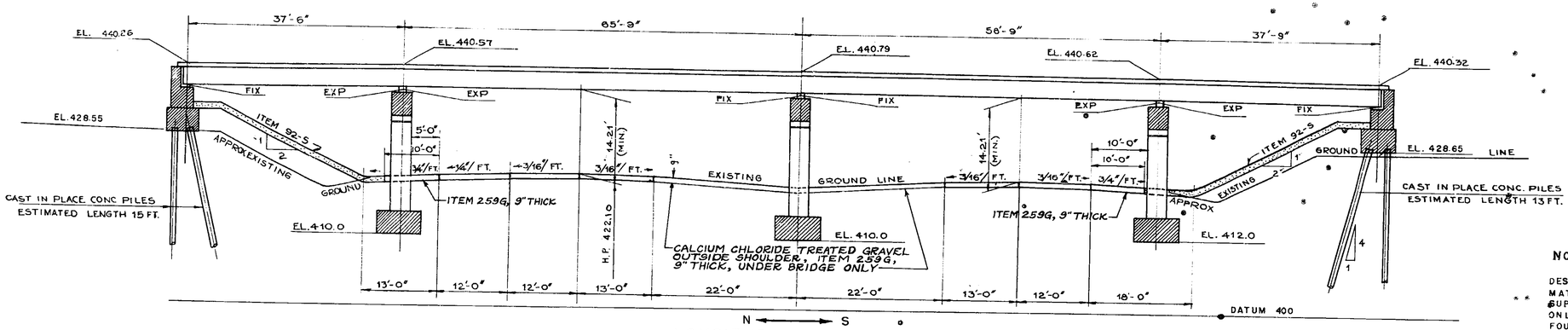
SHEET ~~10 OF 13~~

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			45	66
N.Y. STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				



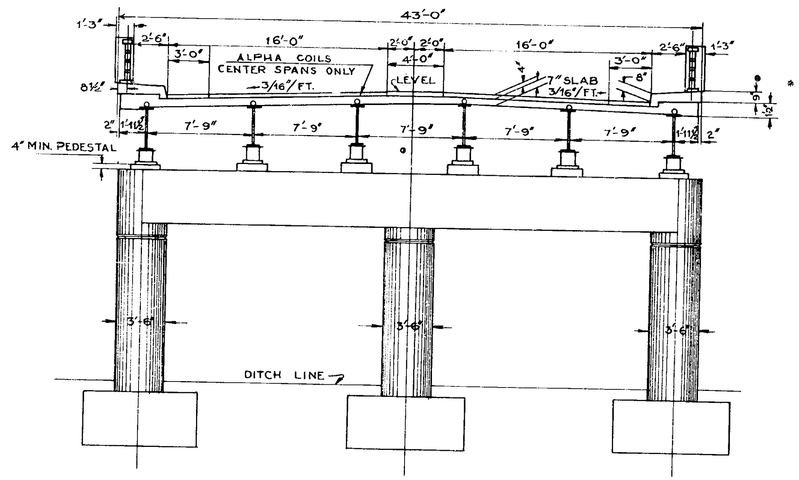
ELEVATION
SCALE 3/32"-1'-0"



LONGITUDINAL SECTION
SCALE 3/32"-1'-0"

NOTE:

DESIGN SPECIFICATION A. A. S. H. O. 1949 - H20-S16 LOADING MODIFIED
MATERIAL AND FABRICATION SPECIFICATIONS N. Y. S. D. P. W. JAN. 2, 1951.
SUPERSTRUCTURE WF BEAMS, COMPOSITE CONSTRUCTION CENTER SPANS ONLY.
FOUNDATION TREATMENT OF ABUTMENTS ON PILES; FOR DESIGN PURPOSES, THE ASSUMED LOAD PER PILE DOES NOT EXCEED 30 TONS.
PIERS ON SPREAD FOOTINGS: FOR DESIGN PURPOSES, THE ASSUMED FOUNDATION PRESSURE DOES NOT EXCEED 2-1/2 TONS PER SQ. FT.
TOP SOILING, SODDING AND SEEDING TO BE SHOWN ON BRIDGE CONTRACT PLANS, AND INCLUDED IN BRIDGE ESTIMATE FOR BOTH APPROACHES TO EXTENT NOTED IN PLAN.



TRANSVERSE SECTION
SCALE 3/16"=1'-0"

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

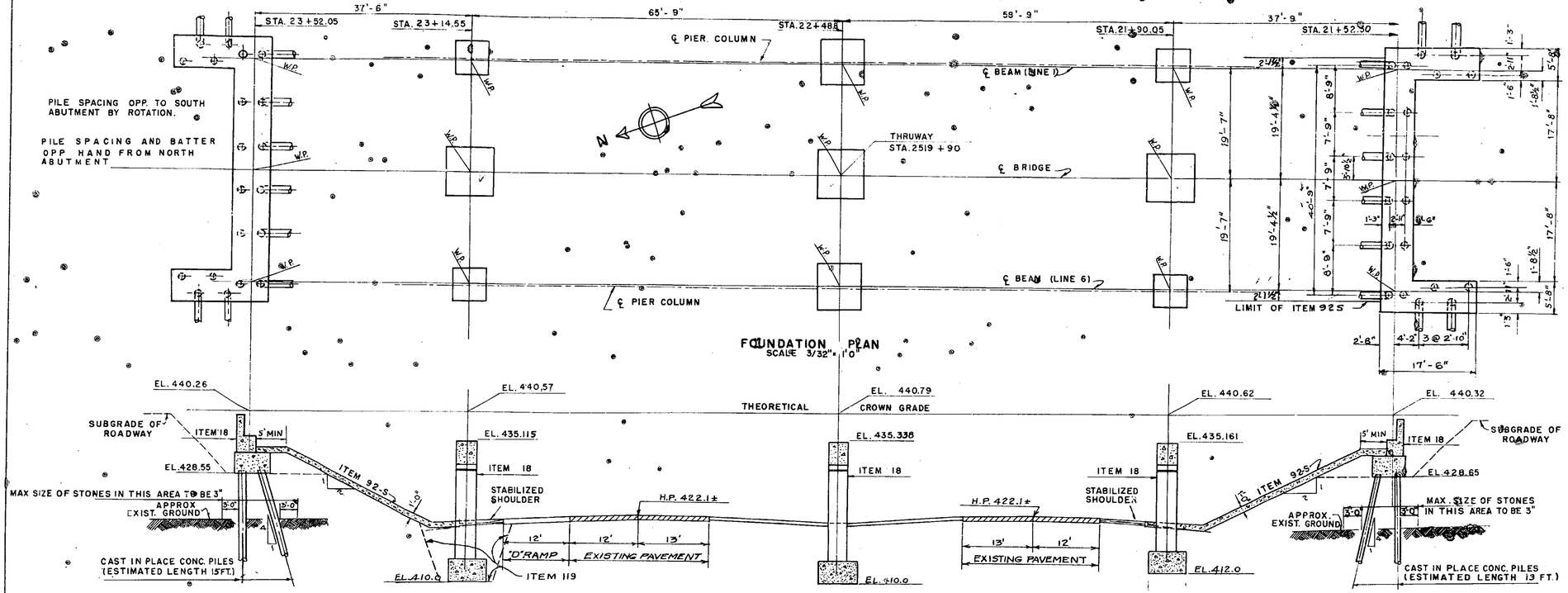
Aug 27-52
DATE

PRELIMINARY LAYOUT

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

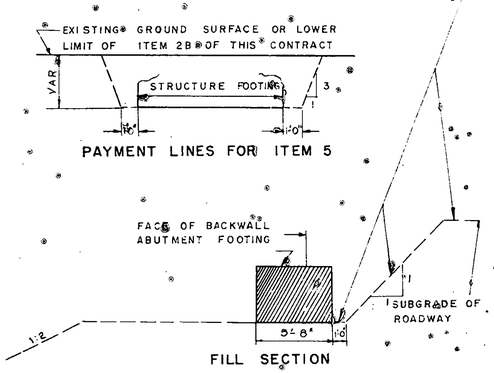
SHEET ~~11 OF 13~~

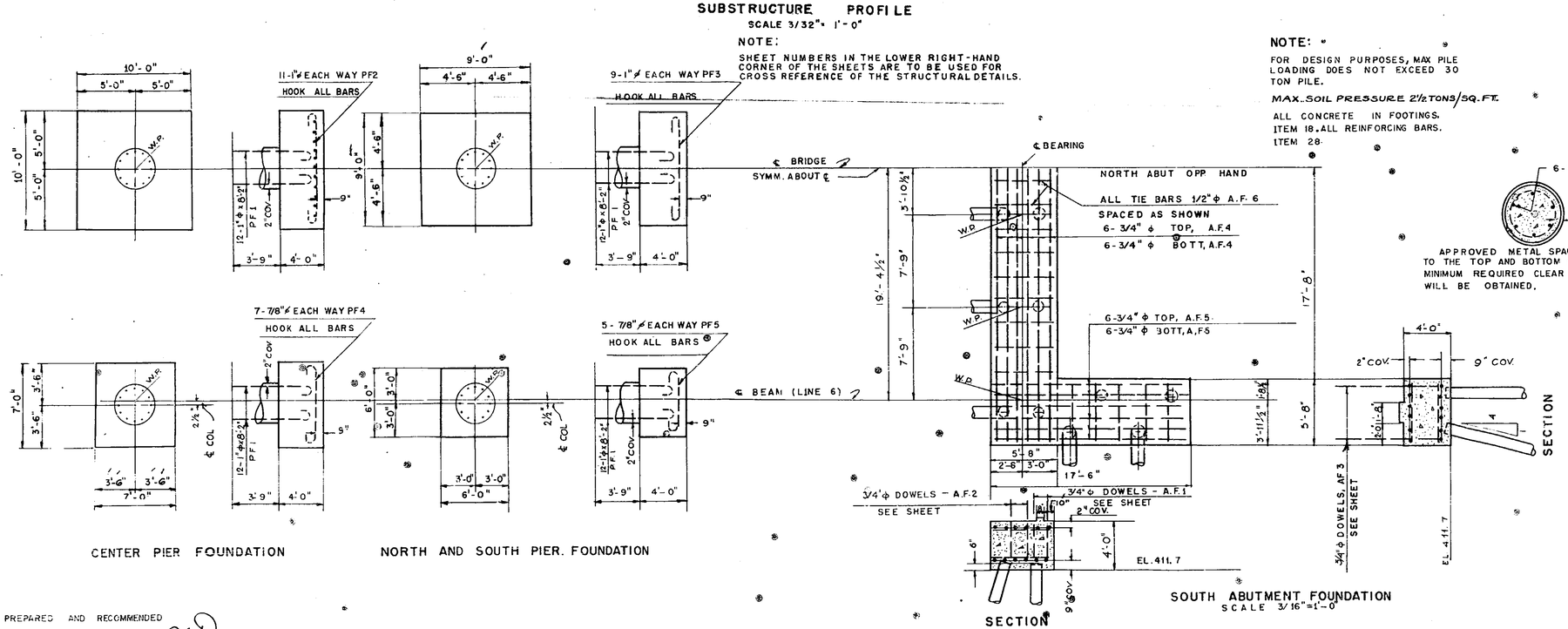
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			46	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88				
INTERCHANGE AT THOMPSON ROAD				



NOTE:

PLACING OF PILES AND CONSTRUCTION OF THE ABUTMENTS WILL NOT BE PERMITTED UNTIL THE HIGHWAY EMBANKMENT ADJACENT TO THE STRUCTURE HAS BEEN PLACED AND CONSOLIDATED IN A MANNER AND FOR A PERIOD OF TIME SATISFACTORY TO THE DEPUTY CHIEF ENGINEER (BRIDGES).





NOTE:

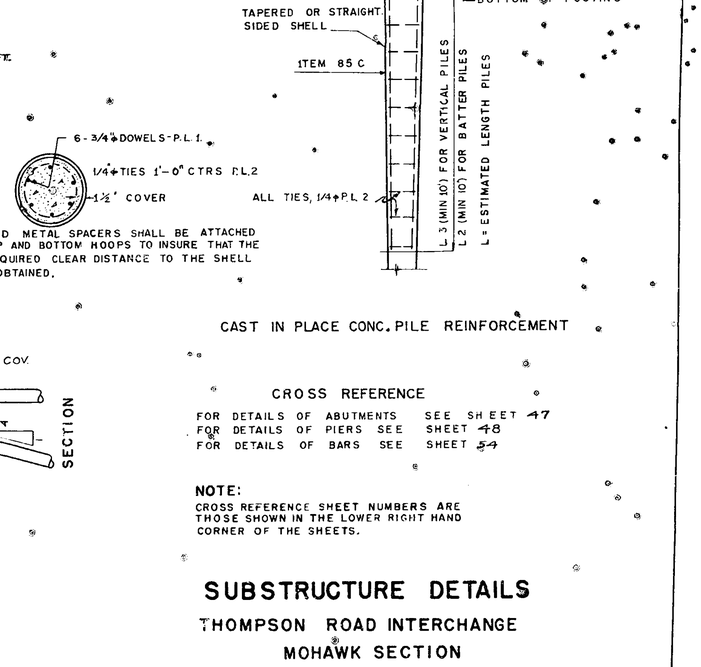
SHEET NUMBERS IN THE LOWER RIGHT-HAND CORNER OF THE SHEETS ARE TO BE USED FOR CROSS REFERENCE OF THE STRUCTURAL DETAILS.

NOTE:

FOR DESIGN PURPOSES, MAX PILE LOADING DOES NOT EXCEED 30 TON PILE.

MAX. SOIL PRESSURE 2½ TONS/SQ. FT.

ALL CONCRETE IN FOOTINGS.
ITEM 18. ALL REINFORCING BARS.
ITEM 28.



APPROVED METAL SPACERS SHALL BE ATTACHED TO THE TOP AND BOTTOM HOOPS TO INSURE THAT THE MINIMUM REQUIRED CLEAR DISTANCE TO THE SHELL WILL BE OBTAINED.

CAST IN PLACE CONC. PILE REINFORCEMENT

CROSS REFERENCE

FOR DETAILS OF ABUTMENTS SEE SHEET 47
FOR DETAILS OF PIERS SEE SHEET 48
FOR DETAILS OF BARS SEE SHEET 54

NOTE:

CROSS REFERENCE SHEET NUMBERS ARE THOSE SHOWN IN THE LOWER RIGHT HAND CORNER OF THE SHEETS.

SUBSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED

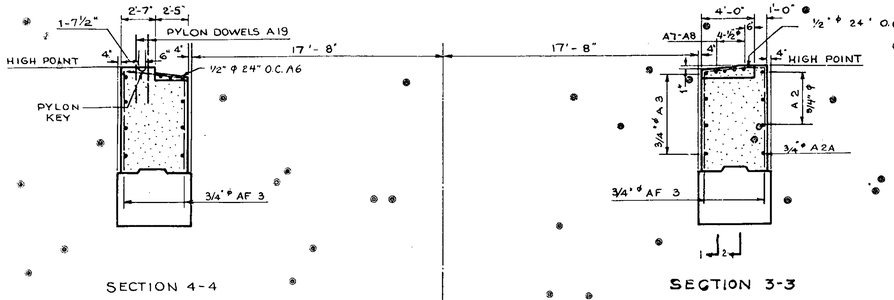
URQUHART & DOYLE CONSULTING ENGINEERS — DATE Feb 16 -53

NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

24:1

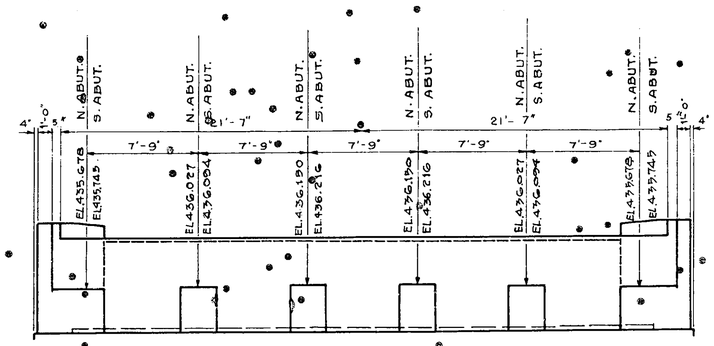
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			47	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88
INTERCHANGE AT THOMPSON ROAD

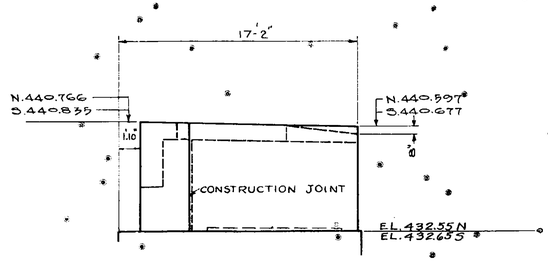


SECTION 4-4

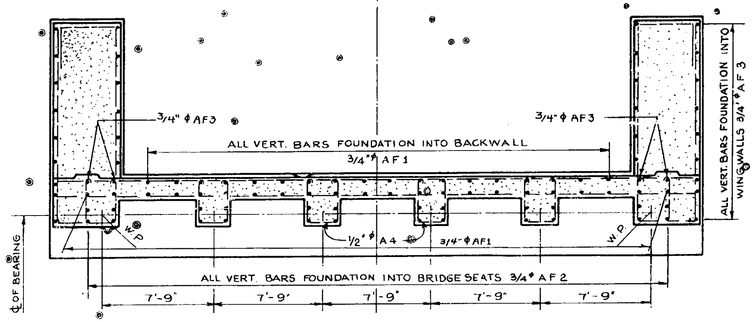
SECTION 3-3



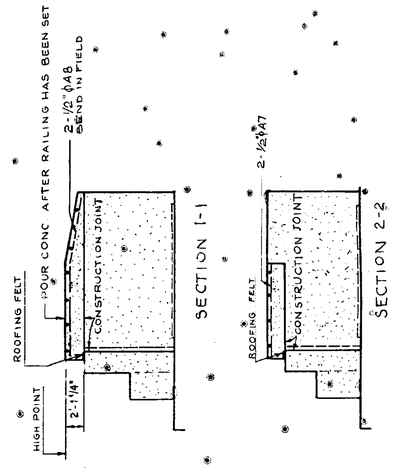
ABUTMENT ELEVATION



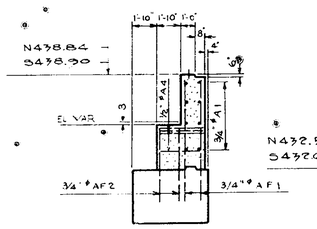
WING WALL



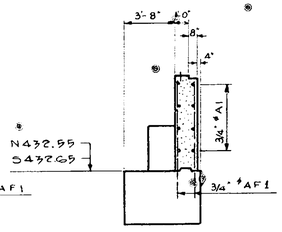
ABUTMENT PLAN



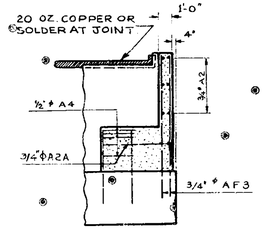
SECTIONAL PLAN
UNDER BRIDGE SEAT



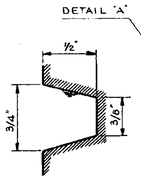
SECTION 5-5



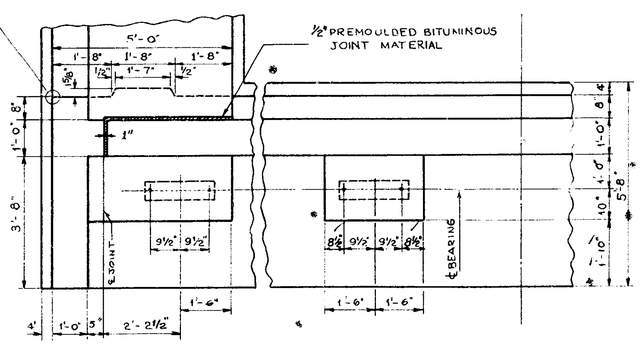
SECTION 6-6



SECTION 7-7



DETAIL "A"
NOT TO SCALE



BRIDGE SEAT DETAILS
SCALE ½" = 1'-0"

SCALE 3/16" = 1'-0", EXCEPT AS SHOWN

* CROSS REFERENCE

FOR LAYOUT OF ABUTMENTS SEE SHEET 46
FOR DETAILS OF REINFORCING BARS SEE SHEET 54
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 52
FOR DETAILS OF ABUTMENT FOUNDATION SEE SHEET 46
FOR DETAILS OF PYLONS SEE SHEET 53
FOR DETAILS OF RAILING SEE SHEET 52
FOR STRINGER LAYOUT SEE SHEET 49

SUBSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

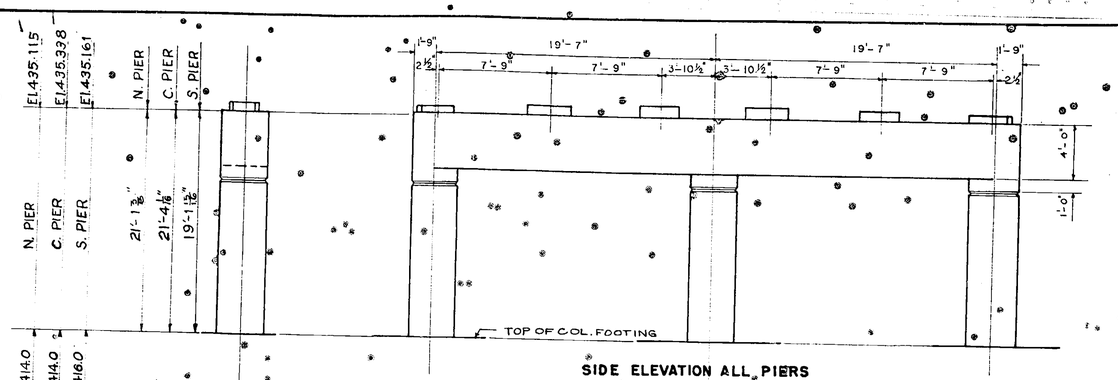
SHEET 47

PREPARED AND RECOMMENDED
O'J Doyle Feb 16-53
DATE
UROUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

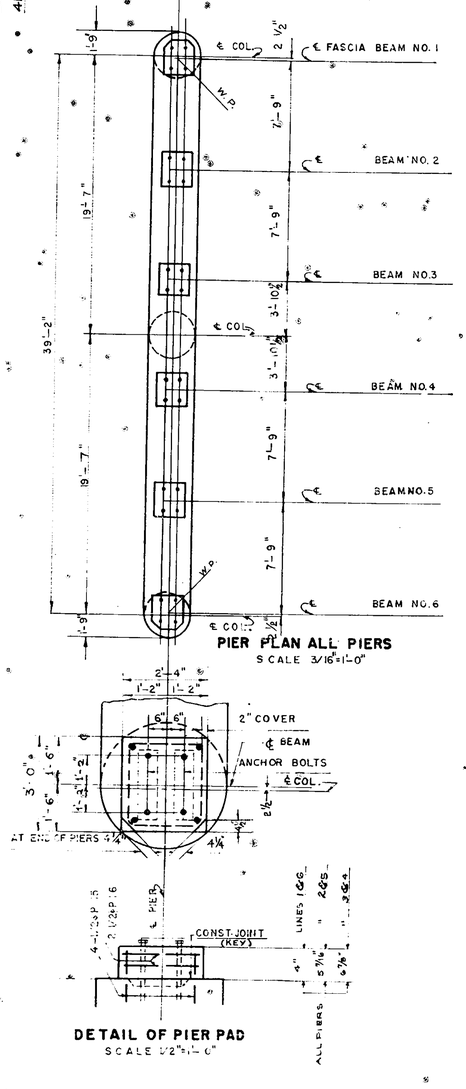
24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			48	66

NY STATE THRUWAY, MOHAWK SECTION SUBDIV. 88
INTERCHANGE AT THOMPSON ROAD

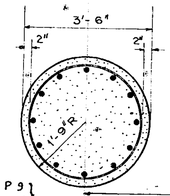


SIDE ELEVATION ALL PIERS
SCALE 3/16"=1'-0"

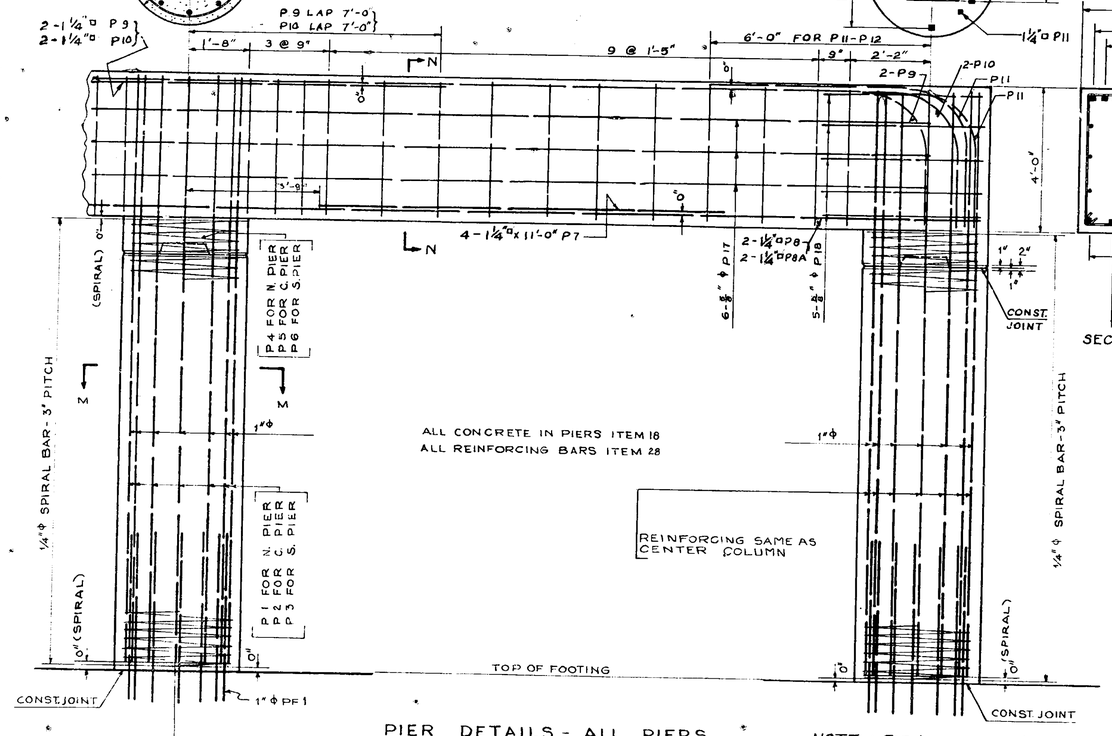


PIER PLAN ALL PIERS
SCALE 3/16"=1'-0"

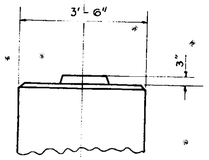
DETAIL OF PIER PAD
SCALE 1½"=1'-0"

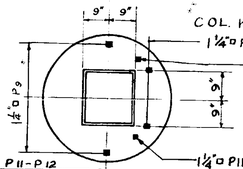


SECTION M-M

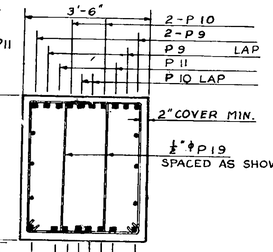


PIER DETAILS - ALL PIERS
SCALE 1"=1'0"





COL. KEY DETAILS



SECTION N-N

NOTE~ FOR LOCATION OF IDENTIFICATION PLATE, SEE STANDARD SHEET 53-41.

SUB STRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
5	TRENCH CULVERT & BRIDGE EXCAVATION	C.Y.	260	300
15-2	PORTLAND CEMENT, TYPE 2	BBL.	600	616
15 N	NATURAL CEMENT, TYPE N	BBL.	83	87
18	CLASS 1A CONCRETE FOR STRUCTURES	C.Y.	412	420
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	45000	47000
85-C	CAST IN PLACE CONCRETE PILES	L.F.	560	700
87	FURNISHING EQUIPMENT FOR DRIVING PILES	L.S.	NEC	NEC
92-5	SCREENED GRAVEL - LOOSE MEASURE	C.Y.	145	155
121	TOP SOIL PLACED FROM STOCK PILES	C.Y.	360	380
123	SEEDING	ACRE	.35	.4
124	SODDING	S.Y.	400	420
119	RUN OF BANK GRAVEL FILL	C.Y.	140	150

SUBSTRUCTURE

GENERAL NOTES

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHERE PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER (BRIDGES), IN WHICH CASE, HIS SUPPLEMENTAL INSTRUCTIONS SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATER-PROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41W TO ALL EXPOSED SURFACES.

ALL SHOE BEARING SURFACES SHALL BE CAST ¼" ABOVE ELEVATIONS SHOWN ON THE PLANS, AND AFTER THE CONCRETE IS CURED, SHALL BE BUSH-HAMMERED TO THE REQUIRED ELEVATIONS.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS AT THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO THE CONSTRUCTION.

CROSS REFERENCE

FOR LAYOUT OF PIERS SEE SHEET 46
FOR DETAILS OF REINFORCING BARS SEE SHEET 54
FOR DETAILS OF PIER FOUNDATIONS SEE SHEET 46
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 52

PREPARED AND RECOMMENDED:

O'R Doyle Feb 16-53
URQUHART & DOYLE, CONSULTING ENGINEERS — DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

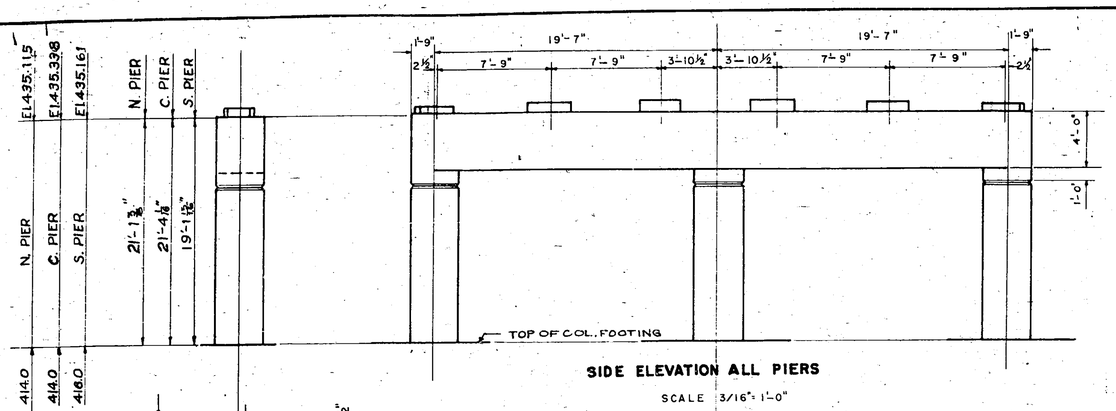
SUBSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

O. T. 58-8, M. T. 58-8, S. T. 58-30, R. C. 58-36

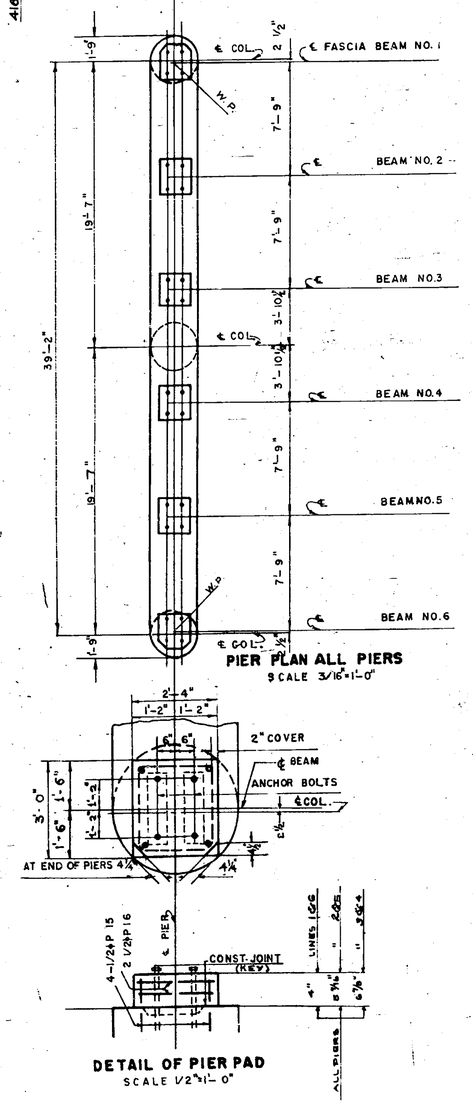
COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			48	64
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 68				
INTERCHANGE AT THOMPSON ROAD				

48R



SIDE ELEVATION ALL PIERS

SCALE 3/16"=1'-0"

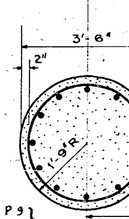


PIER PLAN ALL PIERS

SCALE 3/16"=1'-0"

DETAIL OF PIER PAD

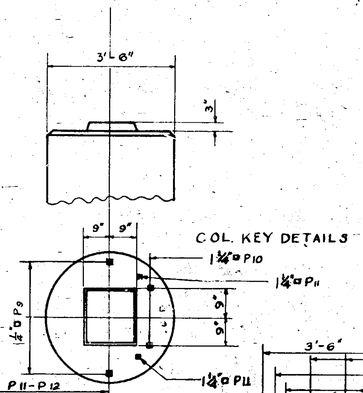
SCALE 1/2"=1'-0"

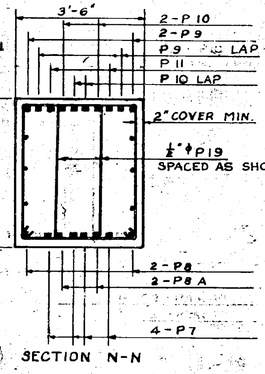


SECTION M-M

PIER DETAILS - ALL PIERS

SCALE ½"=1'-0"





SECTION N-N

NOTE~ FOR LOCATION OF IDENTIFICATION PLATE, SEE STANDARD SHEET 53-41.

CROSS REFERENCE

FOR LAYOUT OF PIERS SEE SHEET 46
FOR DETAILS OF REINFORCING BARS SEE SHEET 54
FOR DETAILS OF PIER FOUNDATIONS SEE SHEET 46
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 52

SUB STRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
5	TRENCH CULVERT & BRIDGE EXCAVATION	C.Y.	260	300
15-2	PORTLAND CEMENT, TYPE 2	BBL.	600	616
15N	NATURAL CEMENT, TYPE N	BBL.	83	87
18	CLASS 1A CONCRETE FOR STRUCTURES	C.Y.	415	420
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	45000	47000
85-C	CAST IN PLACE CONCRETE PILES	L.F.	560	700
87	FURNISHING EQUIPMENT FOR DRIVING PILES	L.S.	NEC	NEC
92-S	SCREENED GRAVEL - LOOSE MEASURE	C.Y.	145	155
121	TOP SOIL PLACED FROM STOCK PILES	C.Y.	350	350
123	SEEDING	ACRE.	.35	.4
124	SODDING	S.Y.	400	420
119	RUN OF BANK GRAVEL FILL	C.Y.	140	150

SUBSTRUCTURE

GENERAL NOTES

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHERE PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER (BRIDGES), IN WHICH CASE, HIS SUPPLEMENTAL INSTRUCTIONS SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATER-PROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41W TO ALL EXPOSED SURFACES.

ALL SHOE BEARING SURFACES SHALL BE CAST ¼" ABOVE ELEVATIONS SHOWN ON THE PLANS, AND AFTER THE CONCRETE IS CURED, SHALL BE BUSH-HAMMERED TO THE REQUIRED ELEVATIONS.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS AT THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO THE CONSTRUCTION.

BUILT ACCORDING TO PLAN

PREPARED AND RECOMMENDED: J. F. Doyle Feb 16-53

URQUHART & DOYLE, CONSULTING ENGINEERS — DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SUBSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

SHEET 48

24:1

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			49	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

SUPERSTRUCTURE

GENERAL NOTES

THE DESIGN OF THE STRUCTURE IS BASED ON A.A.S.H.O. SPECIFICATIONS, 1949. H20-S16-44 LOADING, AND CURRENT MODIFICATIONS AND ADDITIONS.
ALL CONCRETE OF SUPERSTRUCTURE SHALL BE ITEM 18, EXCEPT CONCRETE OF PYLONS WHICH SHALL BE ITEM 19, AND CEMENT CONCRETE PAVEMENT, WHICH SHALL BE ITEM 47-8M
THE COST OF FURNISHING AND INSTALLING METAL EXPANSION MATERIAL, METAL WATER STOP, PREMOULDED BITUMINOUS JOINT MATERIAL, CAULKING COMPOUND, PARA-PLASTIC, SPONGE RUBBER, ASPHALT ROOFING FELT, ETC. SHALL BE INCLUDED IN THE BID PRICES OF THE RESPECTIVE CONCRETE ITEMS OF THE CONTRACT.

ALL MATERIALS, WORKMANSHIP AND FABRICATION SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS, JANUARY 2, 1951, AND CURRENT MODIFICATIONS AND ADDITIONS.

WHERE CAULKING COMPOUND IS TO CONTACT CONCRETE SURFACES, SUCH CONCRETE SHALL BE THOROUGHLY CLEANED AND DRY, AND PRIMED WITH A PRIMING COAT AT LEAST 30 MINUTES BEFORE THE APPLICATION OF CAULKING COMPOUND. THIS WORK SHALL BE DONE BY EXPERIENCED MEN, AND THE COMPLETE OPERATION SHALL BE SPECIALLY DIRECTED BY THE ENGINEER.

* CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHEN PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER OF BRIDGES, IN WHICH CASE HIS SUPPLEMENTAL INSTRUCTION SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATERPROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41W TO ALL EXPOSED SURFACES EXCEPT THE UNDERSIDE OF SLABS. TWO APPLICATIONS OF WATERPROOFING OIL TREATMENT SHALL BE APPLIED AT THE TOP OF THE SLAB. THE SECOND APPLICATION SHALL BE APPLIED TWO DAYS PRIOR TO THE PLACING OF THE PAVEMENT OR SIDEWALK.

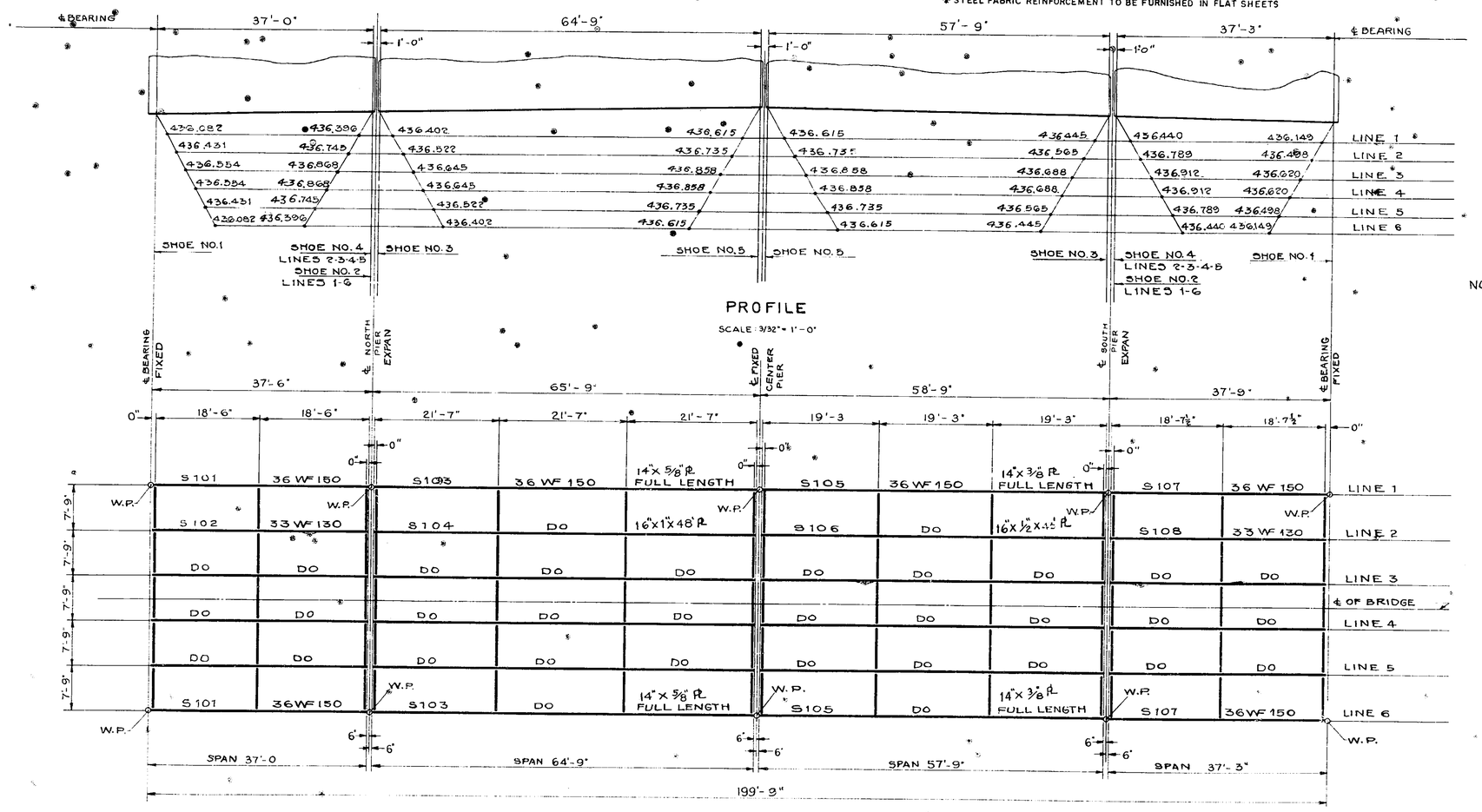
* IMMEDIATELY BEFORE PLACING PAVEMENT CONCRETE, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR, IF THE AIR TEMPERATURE IS ABOVE 50° F. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE PRICE BID FOR ITEM 47BM

THE CONTRACTORS ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION * SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO CONSTRUCTION.

SUPERSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
15-2	PORTLAND CEMENT, TYPE 2	BBL.	376	397
15N	NATURAL CEMENT, TYPEN	BBL.	74	77
18	CLASS IA CONCRETE FOR STRUCTURES	C.Y.	266	280
19	CLASS IA CONCRETE FOR RAILINGS	C.Y.	2.5	3
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	61,600	64,000
28B	SPIRAL BAR SHEAR CONNECTORS	LB.	2,060	2,160
* 29	STRUCTURAL STEEL	LB.	240,800	248,000
37	METAL RAILINGS	L.F.	442	445
47BM	CEMENT CONCRETE PAVEMENT	C.Y.	91	95
* 25F	STEEL FABRIC REINFORCEMENT	S.Y.	820	860
15-8A	PORTLAND CEMET TYPE 1A	BBL.	136	142

* STEEL FABRIC REINFORCEMENT TO BE FURNISHED IN FLAT SHEETS



STEEL PLAN
SCALE: 3/32"=1'-0"

NOTE: ELEVATIONS ARE TO BOTTOM OF BOTTOM FLANGE.

SUPERSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED:

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEER LICENSE NO. 5667

DATE Feb 16-53

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			49	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88				
INTERCHANGE AT THOMPSON ROAD				

49R

SUPERSTRUCTURE

GENERAL NOTES

THE DESIGN OF THE STRUCTURE IS BASED ON A.A.S.H.O. SPECIFICATIONS, 1949. H20-S16-44 LOADING, AND CURRENT MODIFICATIONS AND ADDITIONS.

ALL CONCRETE OF SUPERSTRUCTURE SHALL BE ITEM 18, EXCEPT CONCRETE OF PYLONS WHICH SHALL BE ITEM 19, AND CEMENT CONCRETE PAVEMENT, WHICH SHALL BE ITEM 47-8M

THE COST OF FURNISHING AND INSTALLING METAL EXPANSION MATERIAL, METAL WATER STOP, PREMOULDED BITUMINOUS JOINT MATERIAL, CAULKING COMPOUND, PARA-PLASTIC, SPONGE RUBBER, ASPHALT ROOFING FELT, ETC. SHALL BE INCLUDED IN THE BID PRICES OF THE RESPECTIVE CONCRETE ITEMS OF THE CONTRACT.

ALL MATERIALS, WORKMANSHIP, AND FABRICATION SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS, JANUARY 2, 1951, AND CURRENT MODIFICATIONS AND ADDITIONS.

WHERE CAULKING COMPOUND IS TO CONTACT CONCRETE SURFACES, SUCH CONCRETE SHALL BE THOROUGHLY CLEANED AND DRY, AND PRIMED WITH A PRIMING COAT AT LEAST 30 MINUTES BEFORE THE APPLICATION OF CAULKING COMPOUND. THIS WORK SHALL BE DONE BY EXPERIENCED MEN, AND THE COMPLETE OPERATION SHALL BE SPECIALLY DIRECTED BY THE ENGINEER.

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHEN PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER OF BRIDGES, IN WHICH CASE HIS SUPPLEMENTAL INSTRUCTION SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATERPROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41W TO ALL EXPOSED SURFACES EXCEPT THE UNDERSIDE OF SLABS. TWO APPLICATIONS OF WATERPROOFING OIL TREATMENT SHALL BE APPLIED AT THE TOP OF THE SLAB. THE SECOND APPLICATION SHALL BE APPLIED TWO DAYS PRIOR TO THE PLACING OF THE PAVEMENT OR SIDEWALK.

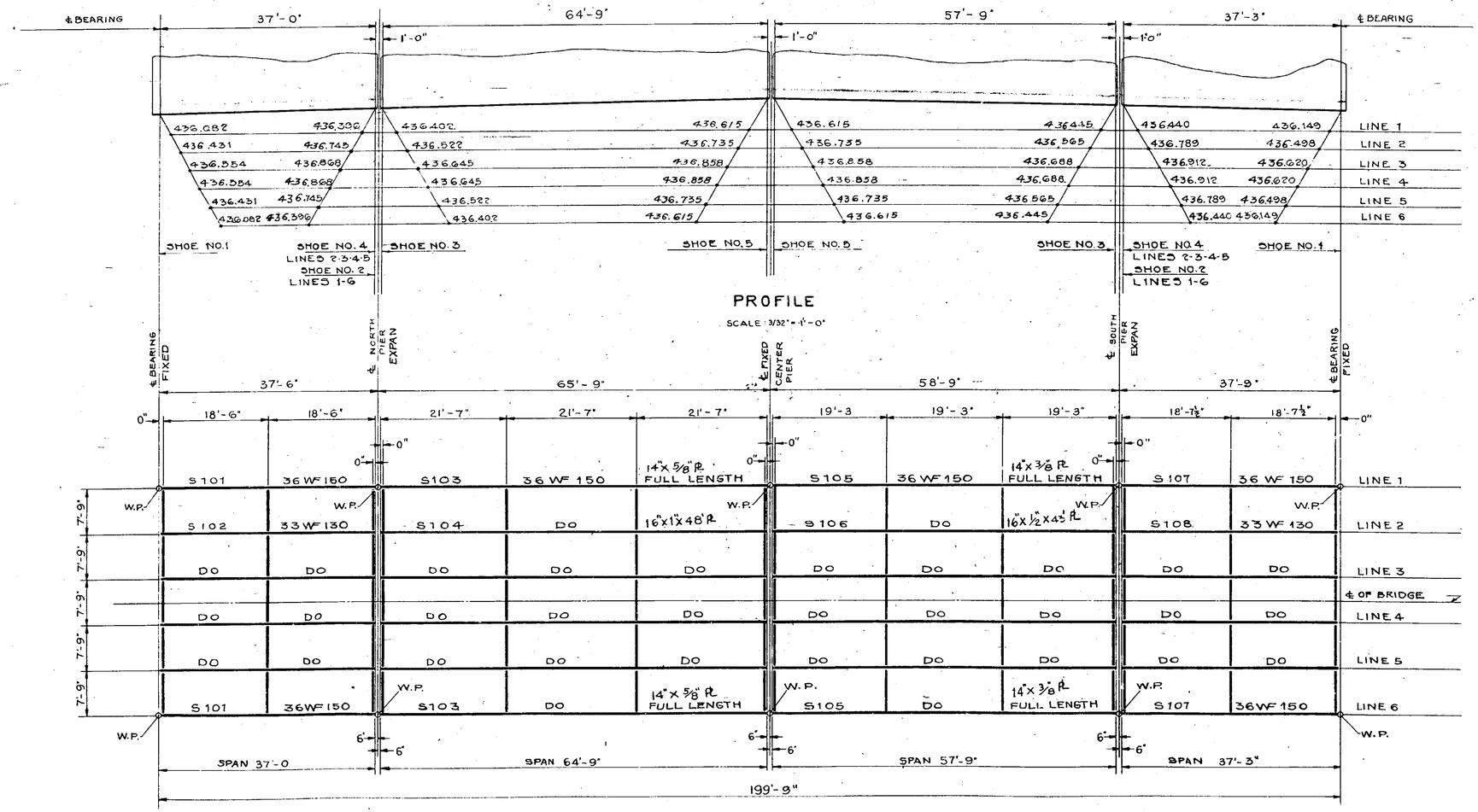
IMMEDIATELY BEFORE PLACING PAVEMENT CONCRETE, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR, IF THE AIR TEMPERATURE IS ABOVE 50° F. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE PRICE BID FOR ITEM 47BM.

THE CONTRACTORS ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO CONSTRUCTION.

SUPERSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
15-2	PORTLAND CEMENT, TYPE 2	BBL.	376	397
15N	NATURAL CEMENT, TYPE N	BBL.	74	77
18	CLASS IA CONCRETE FOR STRUCTURES	C.Y.	268	280
19	CLASS IA CONCRETE FOR RAILINGS	C.Y.	2.5	3
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	61,600	64,000
28 B	SPIRAL BAR SHEAR CONNECTORS	LB.	2,060	2,160
29	STRUCTURAL STEEL	LB.	240,800	248,000
37	METAL RAILINGS	L.F.	442	445
47BM	CEMENT CONCRETE PAVEMENT	C.Y.	91	95
* 25F	STEEL FABRIC REINFORCEMENT	S.Y.	820	860
15-5A	PORTLAND CEMET TYPE 1A	BBL.	136	142

* STEEL FABRIC REINFORCEMENT TO BE FURNISHED IN FLAT SHEETS



STEEL PLAN

SCALE: 3/32" = 1'-0"

NOTE: ELEVATIONS ARE TO BOTTOM OF BOTTOM FLANGE.

BUILT ACCORDING TO PLAN

SUPERSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

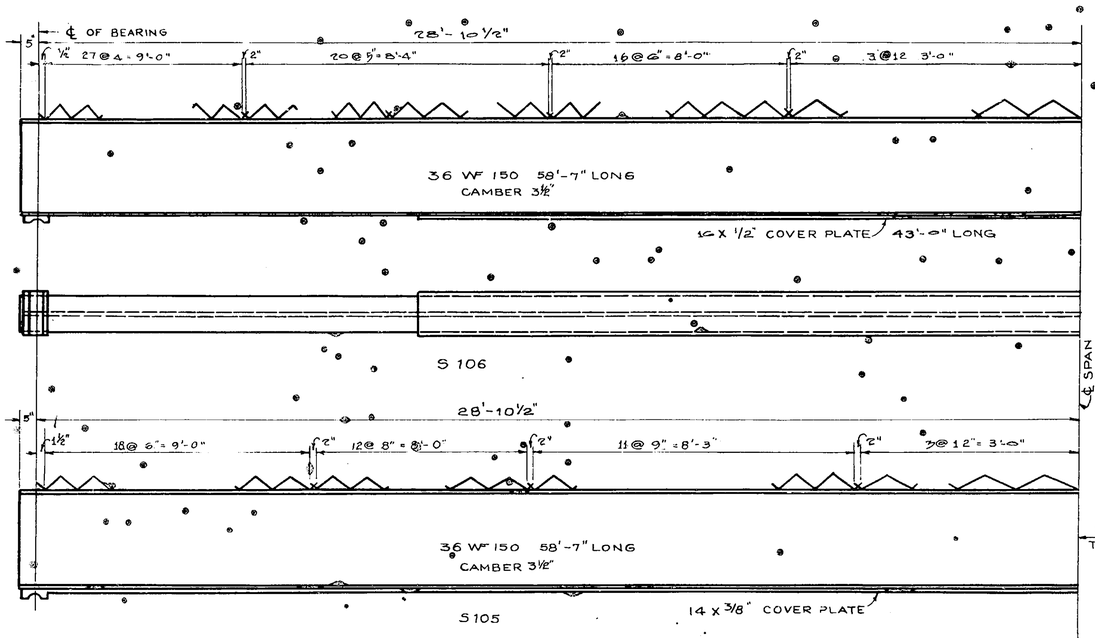
PREPARED AND RECOMMENDED:

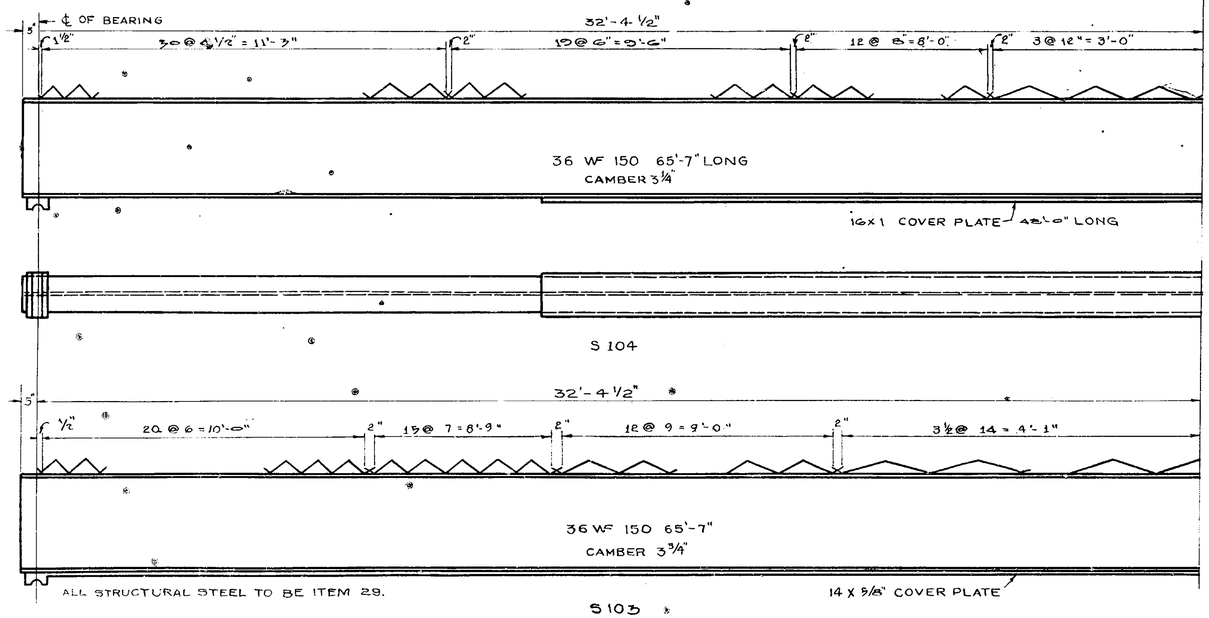
URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEER LICENSE NO. 5667

DATE Feb 16-53

24:1

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			50	*66
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 88				
INTERCHANGE AT THOMPSON ROAD				



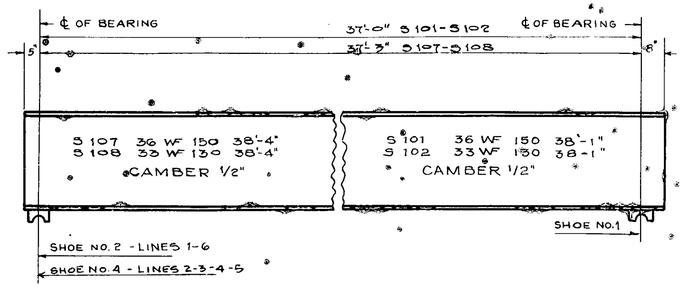


ALL STRUCTURAL STEEL TO BE ITEM 28.

NOTE:
ALL COVER PLATES TO BE WELDED WITH 5/16" CONTINUOUS FILLET WELDS.

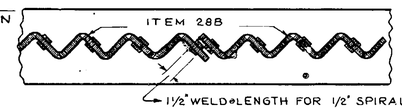
SCALE: 1/2" = 1'-0" EXCEPT AS SHOWN

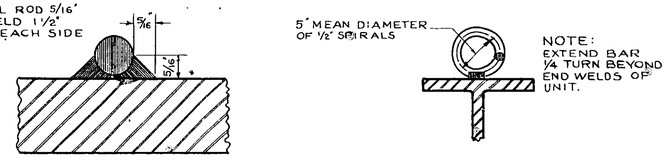
FOR SHOE DETAILS SEE SHEET 52



S 103, S 104, S 105, S 106 TO BE SYMMETRICAL OVER ℄ SPAN

DO NOT PAINT SURFACE OF TOP FLANGE ON WHICH WELDS ARE MADE





SPIRAL DETAILS

NOT TO SCALE

ALL SPIRAL SHEAR BARS ARE ITEM 28B

SPECIAL NOTES FOR SPIRAL REINFORCEMENTS

THE CONTRACTOR'S AND ENGINEER'S ATTENTION IS CALLED TO THE POSSIBILITY OF INTERFERENCE BETWEEN THE REINFORCING STEEL IN THE SLAB AND THE BEAM SPIRALS. WHILE STEEL SPACING IS GIVEN AS 5½ INCHES, IT IS TO BE UNDERSTOOD THAT 2 BARS IN EACH 0 FT. 11 IN. WILL FULFILL THIS REQUIREMENT IF NO TWO BARS ARE CLOSER THAN 1" LESS THAN REQUIRED SPACING OR FURTHER APART THAN 1" MORE THAN REQUIRED SPACING. IF NECESSARY, SOME BARS MAY BE THREADED THRU ONE OR MORE SPIRALS. ALL SPIRALS MUST HAVE TWO STRUCTURAL WELDS 5/16" x 1½" LONG, AT EACH SIDE OF THE BAR AS SHOWN. 5/32" OR 3/16" DIAMETER ELECTRODES SHALL BE USED IN WELDING THE SPIRAL BAR REINFORCEMENT. SPECIAL PRECAUTIONS MUST BE EXERCISED WHERE WELDING CROSSES EDGE OF FLANGE TO AVOID ANY POSSIBILITY OF 'UNDERCUT' OR NICKS IN THE EDGE OF FLANGE.

SUPERSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE

MOHAWK SECTION

NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED:

P.J. Doyle Feb 16-53

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

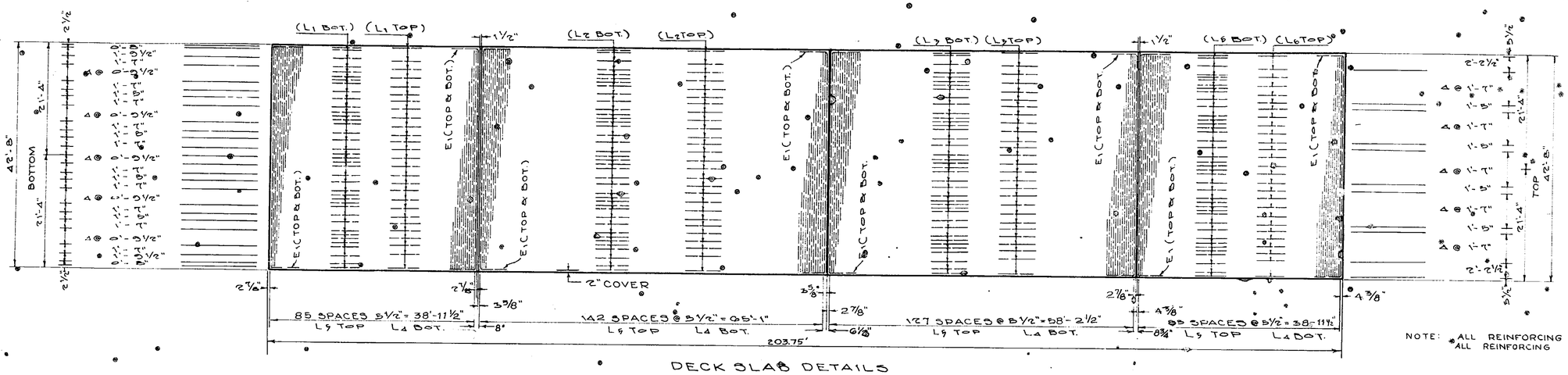
DATE

SHEET 50

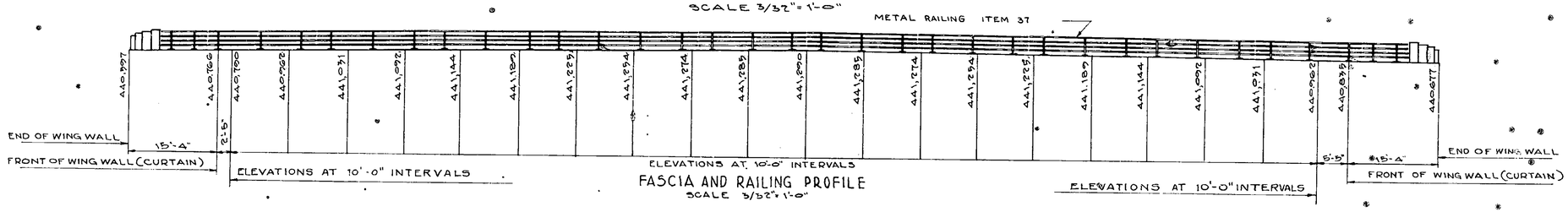
24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			51	66

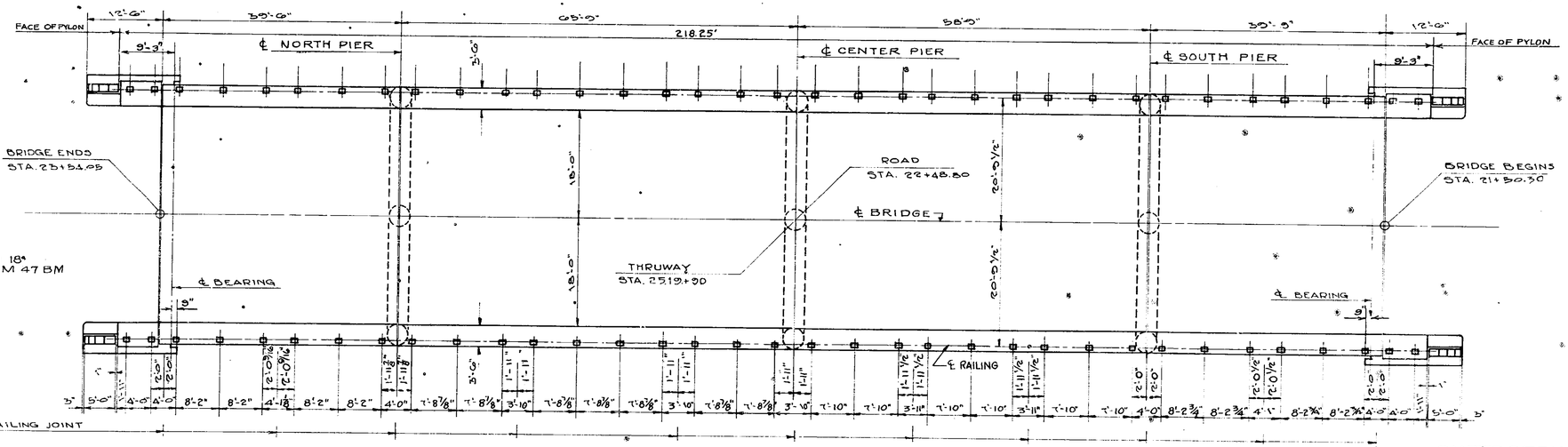
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88
INTERCHANGE AT THOMPSON ROAD



DECK SLAB DETAILS
SCALE 3/32"= 1'-0"



FASCIA AND RAILING PROFILE
SCALE 3/32"= 1'-0"



NOTE: CONCRETE IN DECK SLAB AND SAFETY WALKS, ITEM 18*
ROADWAY PAVEMENT, ITEM 47 BM

*PLAN VIEW
SCALE: 3/32"= 1'-0"

NOTE: *ALL REINFORCING BARS ITEM 28
ALL REINFORCING BARS IN DECK SLAB 5/8" ϕ

SUPERSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED

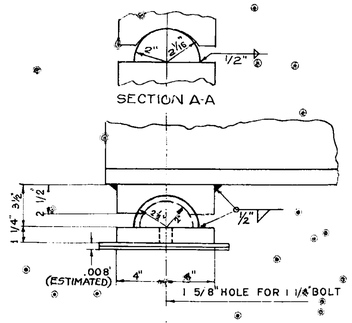
URQUHART & DOYLE CONSULTING ENGINEERS — DATE Feb 16-53

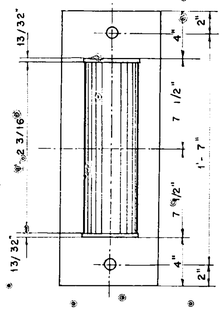
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

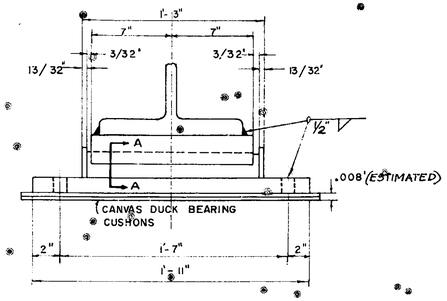
SHEET 51

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			52	66
N.Y. STATE THRUWAY MOHAWK SECTION SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

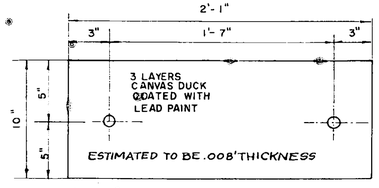




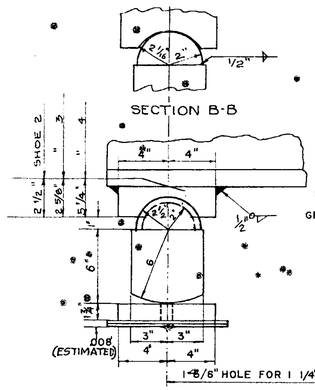


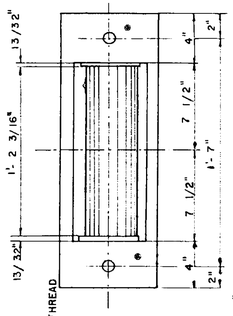
NOTE:
1 1/2" WELD ON ALL SHOES

SHOE



CANVAS DUCK BEARING CUSHION

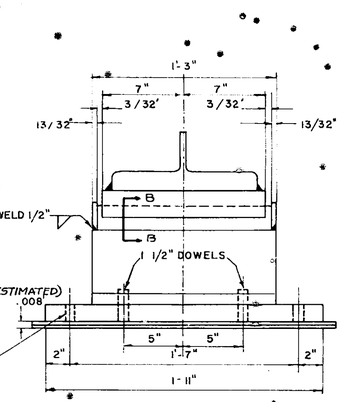




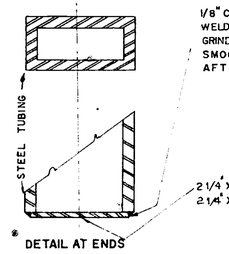
ALL SHOES ITEM 29

SCALE OF SHOES 2"=1'-0"

DETAIL OF ANCHOR BOLT

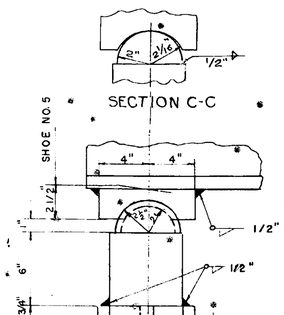


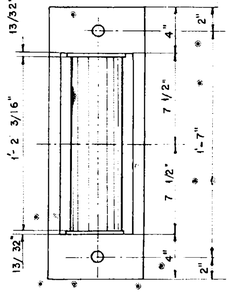
SHOES 2,3,4

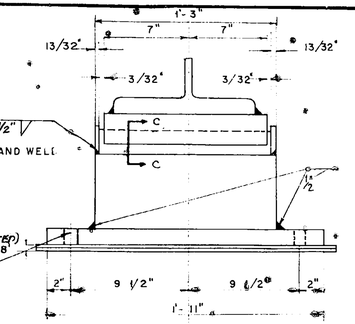


DETAIL AT ENDS OF RAILS

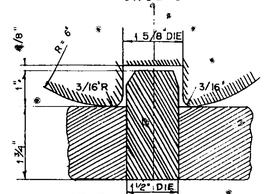
NOT TO SCALE



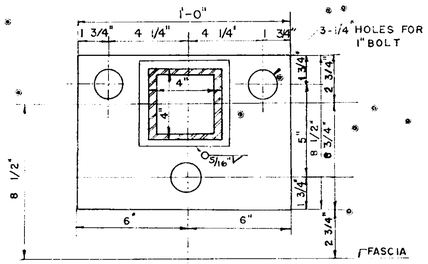




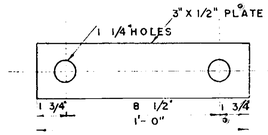
SHOE 5



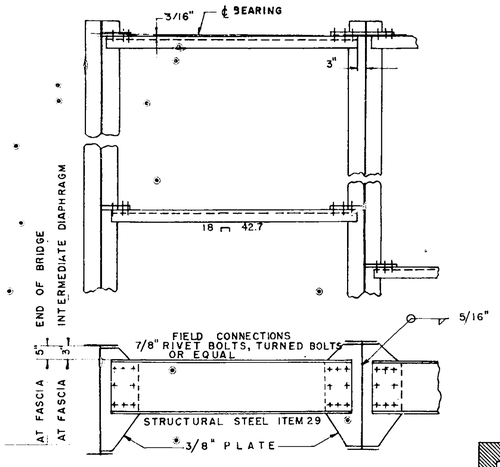
SECTION THRU DOWEL
SCALE HALF SIZE



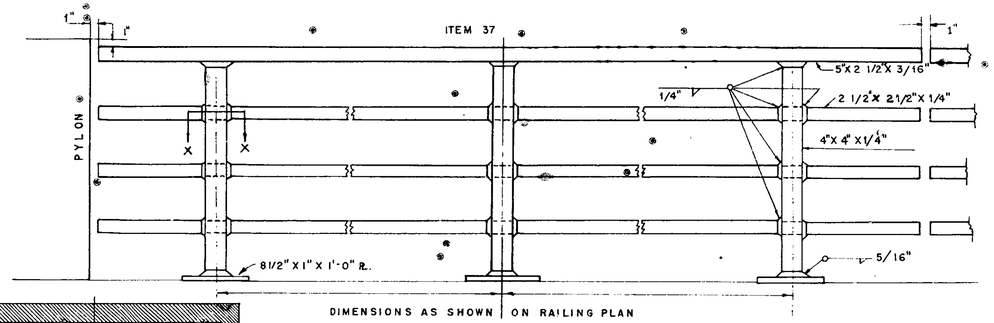
RAIL POST BASE PLATE
SCALE 3"=1'-0"



RAILING ANCHOR PLATE
SCALE 3"=1'-0"

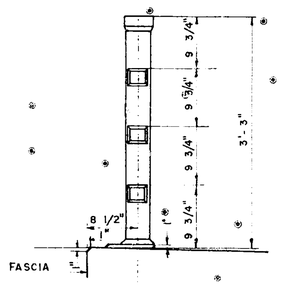


TYPICAL DIAPHRAGM DETAILS



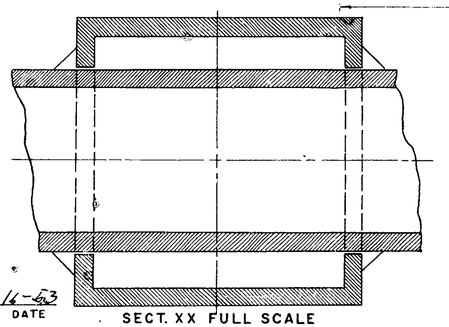
DIMENSIONS AS SHOWN ON RAILING PLAN

TYPICAL RAILING DETAIL
SCALE 1"=1'-0"



SECTION THRU RAILING

NOTE:
WHERE STEEL EXCEEDING ONE INCH IN THICKNESS IS TO BE WELDED, MILD STEEL ARC-WELDING ELECTRODES WITH COVERING OF LOW-HYDROGEN TYPE SHALL BE USED - THESE ELECTRODES MUST COMPLY WITH A.S.T.M. (A 233-48 T) REQUIREMENTS FOR CLASSIFICATION E 6015 OR E 6016
ALL RAILINGS ARE TO BE FABRICATED AND ERECTED SO THAT RAILS ARE PARALLEL TO EACH OTHER AND TO THE TOP OF THE FASCIA AND POSTS ARE TRULY VERTICAL.
FOR NOTES AND DETAILS NOT SHOWN, SEE STD SHEET 53-106.



SECT. XX FULL SCALE

SUPERSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

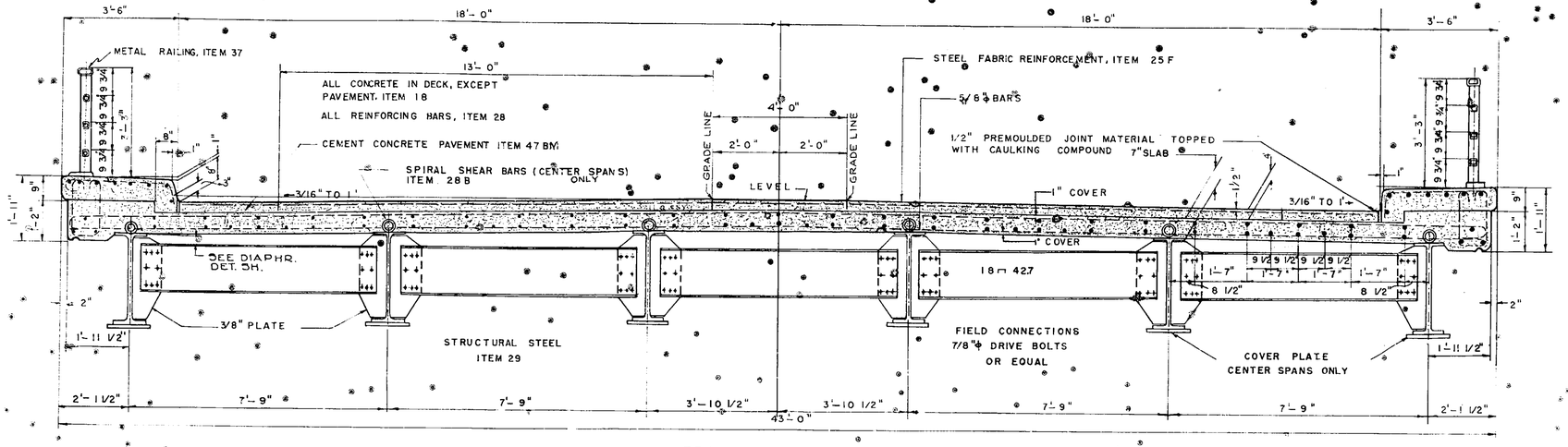
PREPARED AND RECOMMENDED

E. J. Doyle Feb 16-63
DATE

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

SHEET 52

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			53	66
N.Y.STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				



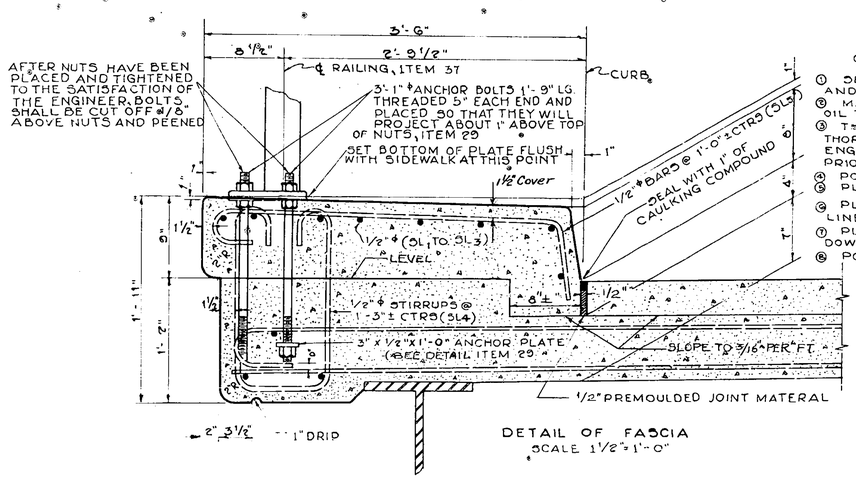
TRANSVERSE SECTION
SCALE 1/2" = 1'-0"

NOTE:

IMMEDIATELY BEFORE PLACING CONCRETE PAVEMENT. THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR IF THE AIR TEMPERATURE IS ABOVE 50°F. COST OF SAME TO BE UNDER ITEM 1WA.

CEMENT IN ITEM 47 BM TO BE PORTLAND CEMENT TYPE IA, ITEM 15-8A.

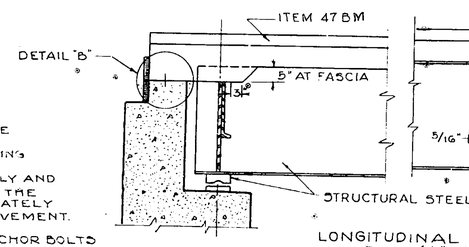
CEMENT ITEMS 18 & 19 TO BE 7 PARTS PORTLAND CEMENT TYPE 2, ITEM 15-2 AND ONE PART NATURAL CEMENT TYPE N, ITEM 15 N.



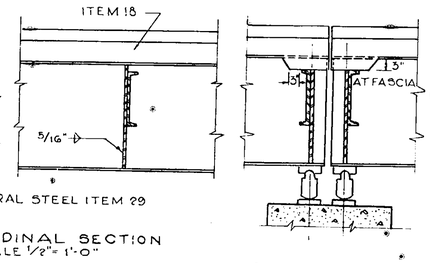
DETAIL OF FASCIA
SCALE 1 1/2" = 1'-0"

CONSTRUCTION PROCEDURE

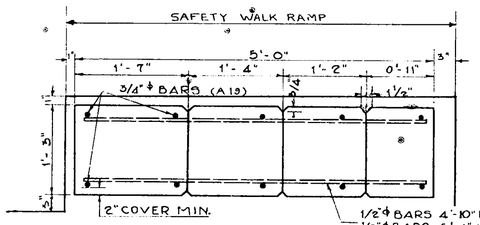
1. SET ANCHOR-BOLTS BY MEANS OF TEMPLATE AND POUR SLAB.
2. MAKE TWO APPLICATIONS OF WATER-PROOFING OIL TREATMENT M 41-W TO THE TOP OF SLAB.
3. THE TOP OF THE SLAB SHALL BE CONTINUOUSLY AND THOROUGHLY WETTED DOWN, AS DIRECTED BY THE ENGINEER FOR AT LEAST ONE HOUR, IMMEDIATELY PRIOR TO THE PLACING OF THE ROADWAY PAVEMENT.
4. POUR ROADWAY PAVEMENT.
5. PLACE LOWER NUTS ON UPPER END OF ANCHOR BOLTS
6. PLACE RAILING ON LOWER NUTS AND ADJUST TO LINE AND GRADE.
7. PLACE UPPER NUTS ON ANCHOR BOLTS TIGHTEN DOWN ON PLATES.
8. POUR SIDEWALK TO PROPER LINE AND GRADE.



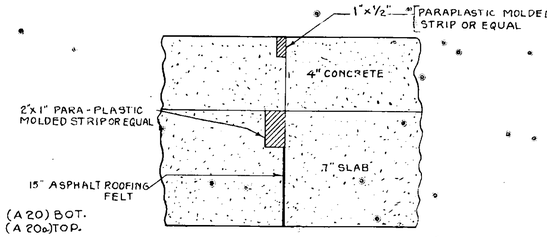
LONGITUDINAL SECTION
SCALE 1/2" = 1'-0"



NOTE
ALL DIAPHRAGMS SET LEVEL INTERMEDIATE DIAPHRAGMS PERPENDICULAR TO GIRDERS WITH TOPS 3" BELOW TOP OF FASCIA GIRDERS. TOPS OF END DIAPHRAGMS 5" BELOW TOP OF FASCIA GIRDERS.



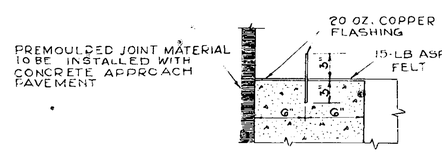
PLAN
SCALE 1" = 1'-0"



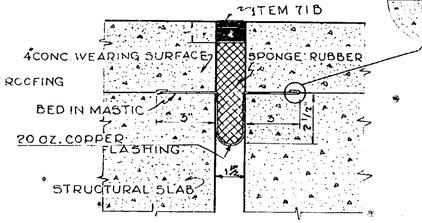
DETAIL OF JOINT OVER CENTER PIER
SCALE: 3" = 1'-0"

NOTE

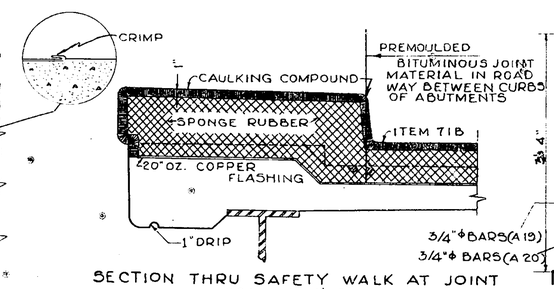
FLASHINGS OR WATERSTOPS ARE TO BE PROTECTED FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AS ORDERED BY THE ENGINEER BENDING OR ALTERING THE SHAPE AS SHOWN IN ANY MANNER WILL NOT BE ALLOWED.



DETAIL B
SCALE 1 1/2" = 1'-0"



DETAIL OF JOINT OVER N-S PIERS
SCALE 3" = 1'-0"



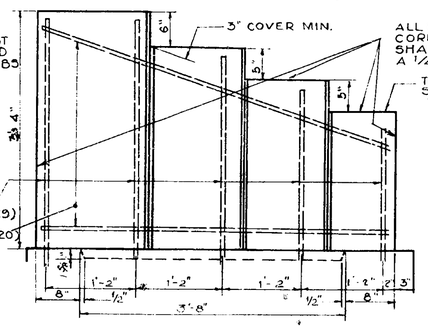
SECTION THRU SAFETY WALK AT JOINT
SCALE 1" = 1'-0"

NOTE

SPONGE RUBBER SHALL COMPLY WITH THE REQUIREMENTS FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE, A.S.T.M. DESIGNATION D 544.

ASPHALT ROOFING FELT SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF A.S.T.M., DESIGNATION D 266.

ALL CONCRETE IN PYLON ITEM 19



ELEVATION OF PYLON
SCALE 1" = 1'-0"

SUPERSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

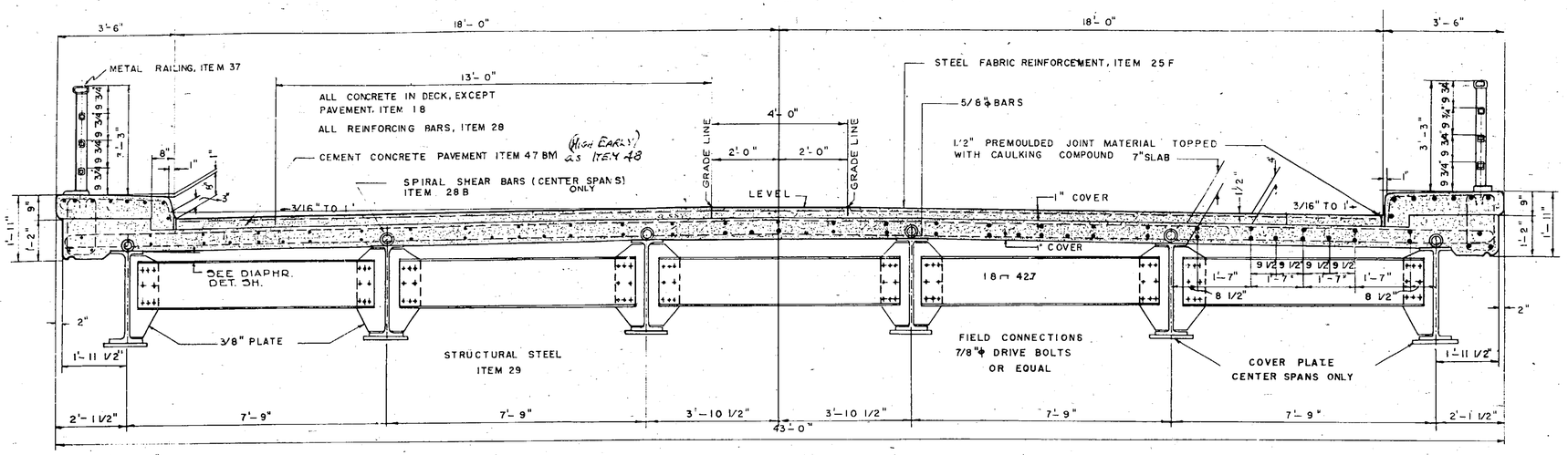
PREPARED AND RECOMMENDED:

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

Feb 10-53
DATE

53R

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			53	66
N.Y. STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				



TRANSVERSE SECTION

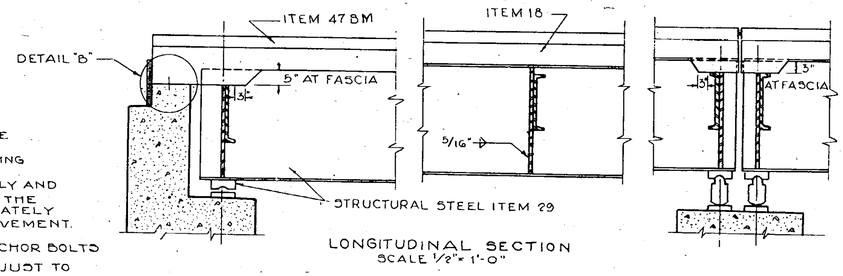
SCALE 1/2" = 1'-0"

NOTE:

IMMEDIATELY BEFORE PLACING CONCRETE PAVEMENT THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR IF THE AIR TEMPERATURE IS ABOVE 50°F. COST OF SAME TO BE UNDER ITEM 1WA.

CEMENT IN ITEM 47 BM TO BE PORTLAND CEMENT TYPE IA, ITEM 15-8A.

CEMENT ITEMS 18 & 19 TO BE 7 PARTS PORTLAND CEMENT TYPE 2, ITEM 15-2 AND ONE PART NATURAL CEMENT TYPE N, ITEM 15 N.

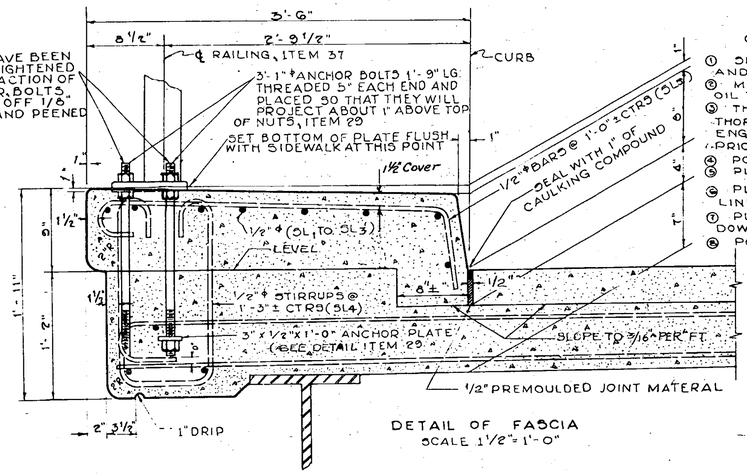


LONGITUDINAL SECTION

SCALE 1/2" = 1'-0"

NOTE

ALL DIAPHRAGMS SET LEVEL INTERMEDIATE DIAPHRAGMS PERPENDICULAR TO GIRDERS WITH TOPS 3" BELOW TOP OF FASCIA GIRDERS. TOPS OF END DIAPHRAGMS 5" BELOW TOP OF FASCIA GIRDERS.

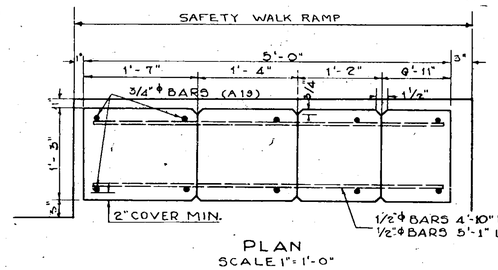


DETAIL OF FASCIA

SCALE 1 1/2" = 1'-0"

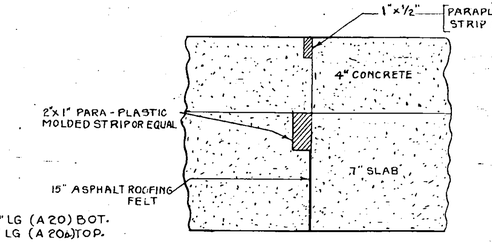
CONSTRUCTION PROCEDURE

1. SET ANCHOR-BOLTS BY MEANS OF TEMPLATE AND POUR SLAB.
2. MAKE TWO APPLICATIONS OF WATER-PROOFING OIL TREATMENT M 41-W TO THE TOP OF SLAB.
3. THE TOP OF THE SLAB SHALL BE CONTINUOUSLY AND THOROUGHLY WETTED DOWN, AS DIRECTED BY THE ENGINEER FOR AT LEAST ONE HOUR, IMMEDIATELY PRIOR TO THE PLACING OF THE ROADWAY PAVEMENT.
4. POUR ROADWAY PAVEMENT.
5. PLACE LOWER NUTS ON UPPER END OF ANCHOR BOLTS
6. PLACE RAILING ON LOWER NUTS AND ADJUST TO LINE AND GRADE.
7. PLACE UPPER NUTS ON ANCHOR BOLTS TIGHTEN DOWN ON PLATES.
8. POUR SIDEWALK TO PROPER LINE AND GRADE.



PLAN

SCALE 1" = 1'-0"

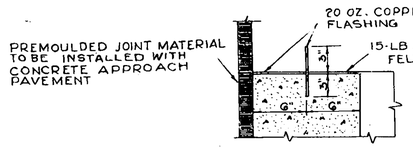


DETAIL OF JOINT OVER CENTER PIER

SCALE: 3" = 1'-0"

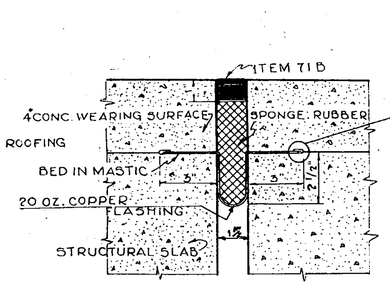
NOTE

FLASHINGS OR WATERSTOPS ARE TO BE PROTECTED FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AS ORDERED BY THE ENGINEER BENDING OR ALTERING THE SHAPE AS SHOWN IN ANY MANNER WILL NOT BE ALLOWED.



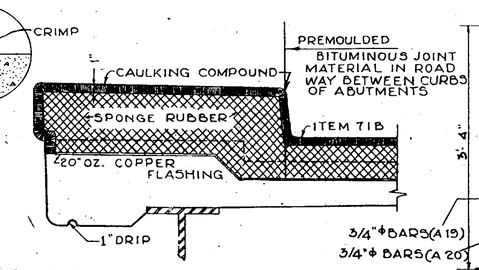
DETAIL B

SCALE 1 1/2" = 1'-0"



DETAIL OF JOINT OVER N-S PIERS

SCALE 3" = 1'-0"



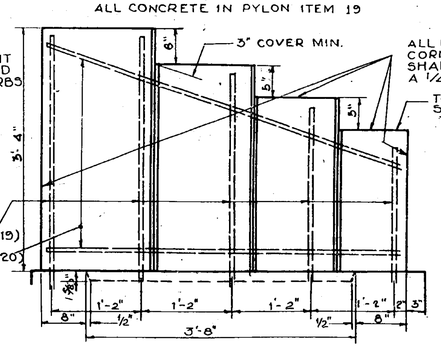
SECTION THRU SAFETY WALK AT JOINT

SCALE 1" = 1'-0"

NOTE

SPONGE RUBBER SHALL COMPLY WITH THE REQUIREMENTS FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE, A.S.T.M. DESIGNATION D 544

ASPHALT ROOFING FELT SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF A.S.T.M., DESIGNATION D 266.



ELEVATION OF PYLON

SCALE 1" = 1'-0"

BUILT ACCORDING TO PLAN

SUPERSTRUCTURE DETAILS

THOMPSON ROAD INTERCHANGE

MOHAWK SECTION

NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED:

Feb 16-53

DATE

HOWARD A. DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

24:1

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			54	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8 B
INTERCHANGE AT THOMPSON ROAD

SUPERSTRUCTURE BAR LIST

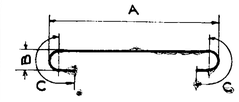
MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
L1 L6	5/8"	27 27	39'-0" 39'-3"	STR				TOP OF DECK SLAB (LONG.)
L1 L6		39 39	39'-0" 39'-3"					BOTT. " "
L2		54	34'-9"					TOP " "
L2		78	34'-9"					BOTT. " "
L3		54	31'-3"					TOP " "
L3		78	31'-3"					BOTT. " "
L4		435	42'-5"					BOTT. (TRANS) ALL SPANS
L5		435	43'-8"	I	42-5	0-5	0-10	TOP " " "
E1		32	26'-0"	II	22-2	0-0	3-10	TOP & BOTT "
SL1	1/2"	32	39'-0"	STR				SIDEWALKS BOTH END SPANS (LONG.)
SL2		32	34'-9"					" N. CENTER SPAN "
SL3		32	31'-3"					" S. " "
SL4		336	4'-7"	VI	0-10	0-3	1-7	" OF ALL SPANS (STIRRUP)
SL5		205	4'-6"	XI				" " " (TRANS)
A19	3/4"	40	5'-0"	STR				PYLONS (VERT.)
A20		8	4'-10"					" (HORZ.)
A 20a		8	5'-1"					" "

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION

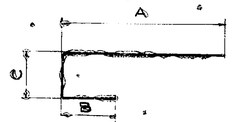
SUBSTRUCTURE BAR LIST

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
AF1	3/4"	80	9'-1"	STR				ABUTMENT FOOTINGS & BACK WALL
AF2		48	6'-7"					" " BRG. SEATS
AF3		68	11'-3"					WING WALLS
AF4		24	45'-0"					ABUTMENT FOOTINGS
AF5		48	17'-0"					WINGWALL FOOTINGS
AF6	1/2"	112	5'-2"					ABUT. & WINGWALL FOOTINGS
PF1	1"	108	8'-0"	II	7-0	0-8	1-4	PIER FOOTINGS
PF2	1"	22	11'-6"	I	9-6	0-8	1-4	" "
PF3	1"	36	10'-8"	I	8-8	0-8	1-4	" "
PF4	7/8"	28	8'-3"	I	6-6	0-7	1-2	" "
PF5	7/8"	40	6'-3"	I	4-6	0-7	1-2	" "
A1	3/4"	16	45'-6"	STR				ABUT. BACK WALLS
A2		12	18'-1"	VII	15-0	2-6	0-7	WING WALLS
A2A		4	19'-8"	III	15-0	0-0	4-8	"
A3		16	19'-6"	VII	11-10	3-0	4-7	"
A4	1/2"	48	9'-6"	VI	2-4	0-4	3-2	BEARING SEATS
A19	3/4"	40	7'-0	STY				WING WALLS TO PILASTERS
A6	1/2"	28	4'-6"	STR				WING WALLS
A7		8	6'-10"					" "
A8		8	11'-6"					" "
P1	1"	36	20'-11"	STR				N PIER COLUMNS
P2		36	21'-2					C " "
P3		36	19'-0"					S " "
P4	1/4"	66	30'-0"	X	17-1			N " "
P5		66	30'-0"		17-4			C " "
P6		66	30'-0"		15-1			S " "
P7	1 1/4"	24	11'-0"	STR				ALL PIER CAPS
P8		6	46'-4"	II	42-2	2-10		" " "
P8A		6	39'-0"	STR				" " "
P9		12	29'-9"	IV	25-1	1-6	2-3	" " "
P10		12	30'-9"		26-1	1-6	2-3	" " "
P11*		12	10'-8"		6-0	1-6	2-3	" " "
P15	1/2"	72	1'-6"	STR				PIER PADS
P16	1/2"	36	10'-0"	V	2-0	0-3	2-8	" "
P17	5/8"	36	20'-8"	STR				PIER CAPS
P18	5/8"	30	10'-5"	VIII	3-0	3-0	4-5	" "
P19	1/2"	168	13'-8	V	2-1	0-3	3-8	" "
PL1	3/4"	240	8-9	II	8-0	0-6	1-0	ALL PILES (BASED ON EST. LENGTH)
PL2	1/4"	240	3-0	IX	0-8	0-0	0-0	" " (ASSUMED FOR 12" STR. PILES)

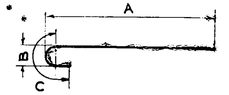
BAR DETAILS



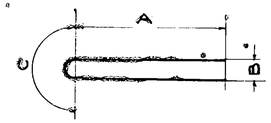
TYPE I



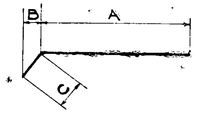
TYPE VII



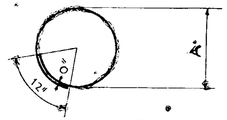
TYPE II



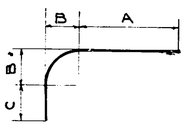
TYPE VIII



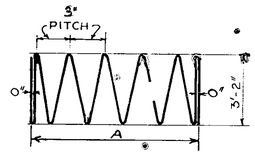
TYPE III



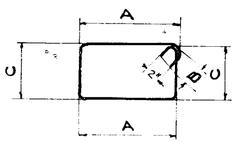
TYPE IX



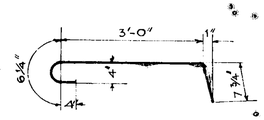
TYPE IV



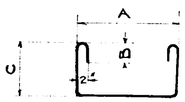
TYPE X



TYPE V



TYPE XI



TYPE VI

ALL REINFORCING BARS, ITEM 28

BAR LIST

THOMPSON ROAD INTERCHANGE
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED: E. J. Doyle Feb 16-53

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE No 5667

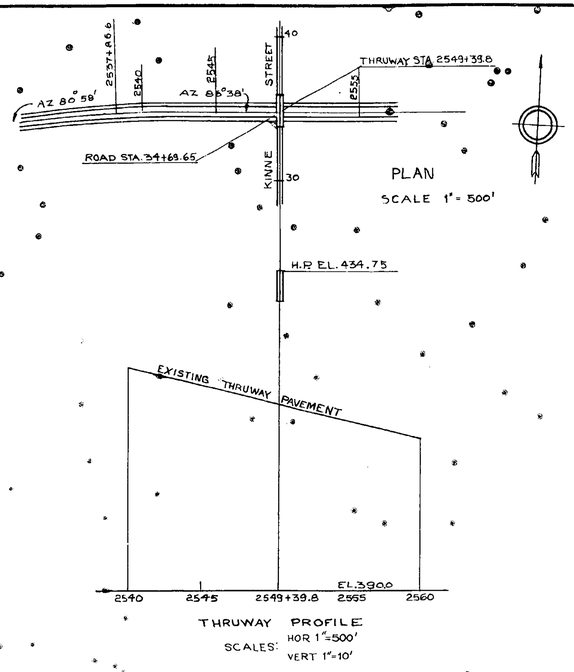
DATE

24:1

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			55	66

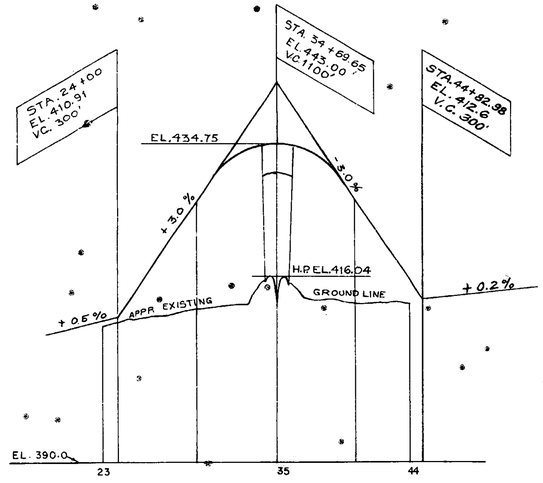
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88

INTERCHANGE AT THOMPSON ROAD



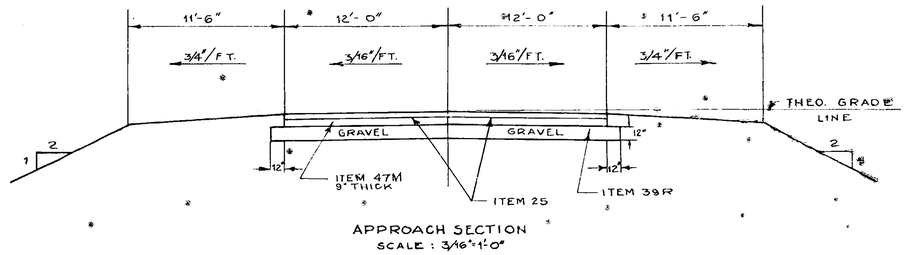
THRUWAY PROFILE

SCALES: HOR 1"=500'
VERT 1"=10'



ROAD PROFILE

SCALES: VERT: 1" = 10'
HOR. 1" = 500'



APPROACH SECTION

SCALE : 3/16"=1'-0"

DEPARTMENT OF PUBLIC WORKS

RECOMMENDED: _____ 7/6/53
WM. ROBINSON
DISTRICT ENGINEER — DATE

APPROVED: _____ 8/10/53
E.T. GAWKINS
DEPUTY CHIEF ENGINEER — DATE

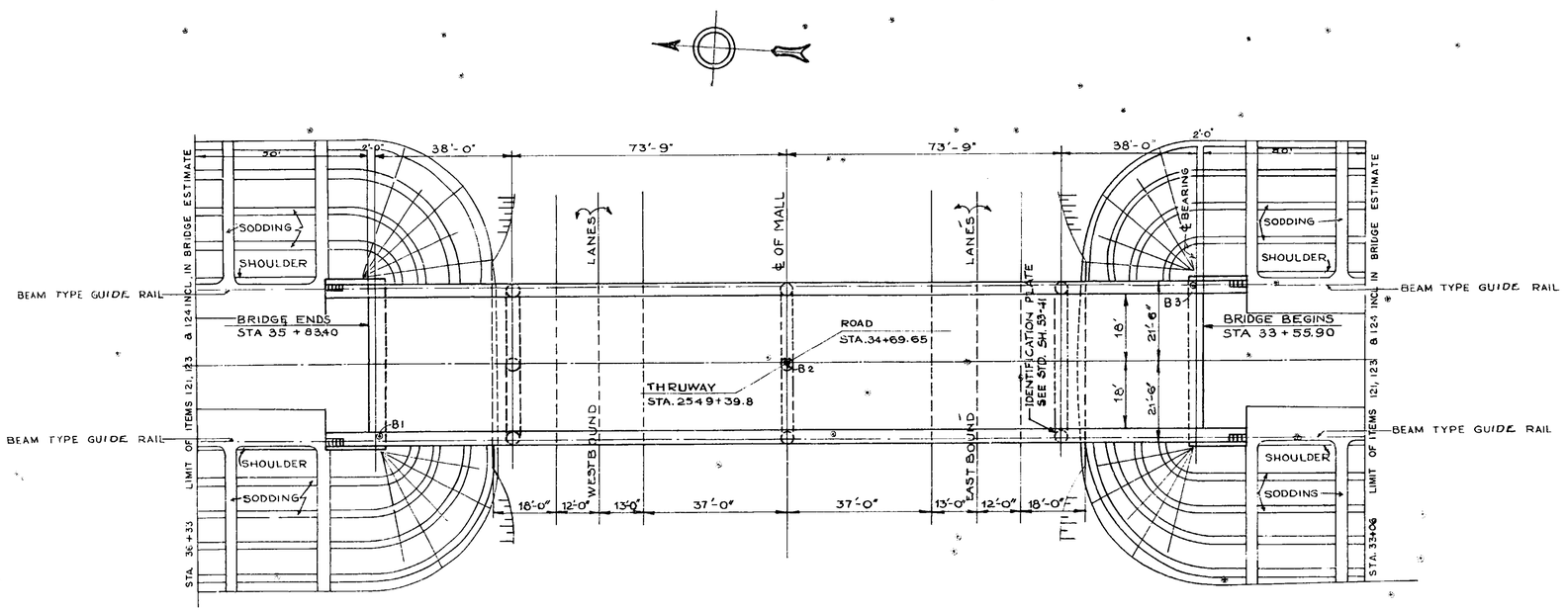
_____
E.W. WENDELL
DEPUTY CHIEF ENGINEER — DATE

_____ 8/19/53
J.B. MCMORRAN
CHIEF ENGINEER — DATE

APPROVED February 16 1953
NEW YORK STATE THRUWAY AUTHORITY

B. D. TALLAMY, CHAIRMAN

BY: C. H. LANG
DEPUTY CHIEF ENGINEER



PREPARED AND RECOMMENDED

_____ Aug 29-52
URQUHART & DOYLE CONSULTING ENGINEERS — DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

PRELIMINARY LAYOUT

KINNE STREET

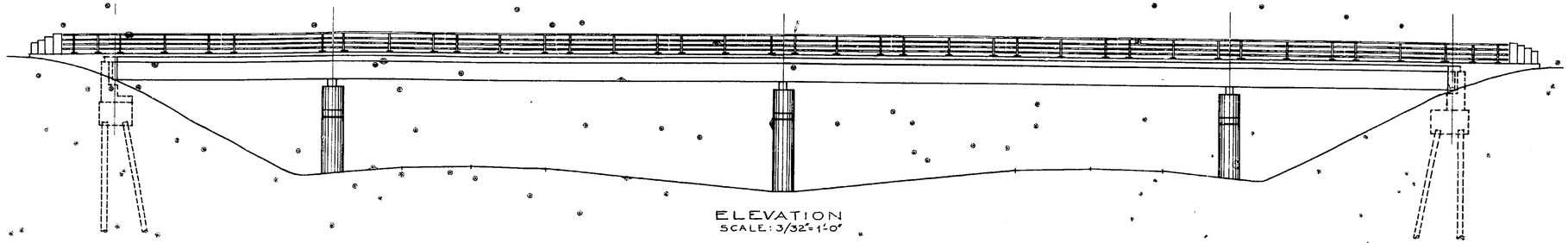
MOHAWK SECTION

NEW YORK STATE THRUWAY

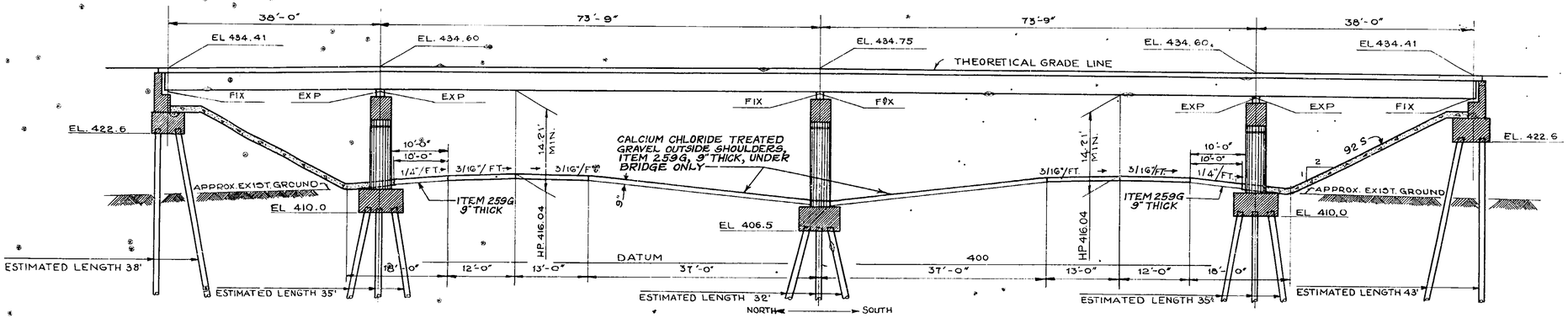
24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			56	66

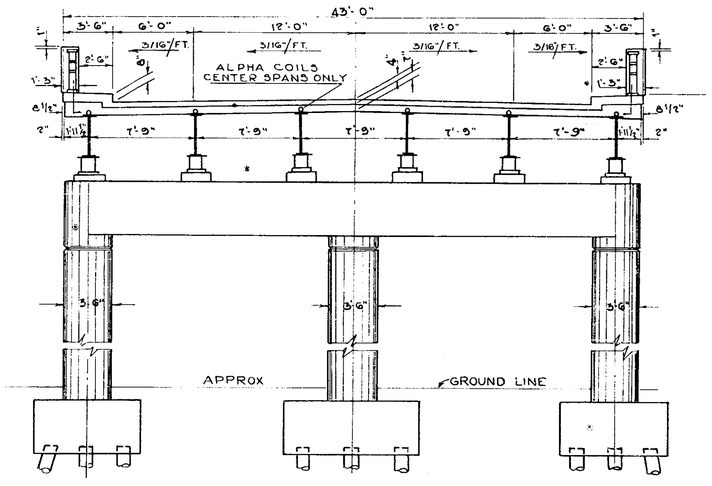
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8 & 9
INTERCHANGE AT THOMPSON ROAD



ELEVATION
SCALE: 3/32"=1'-0"



LONGITUDINAL SECTION
SCALE 3/32"=1'-0"



TRANSVERSE SECTION
SCALE 3/16"=1'-0"

NOTE:

DESIGN SPECIFICATIONS A.A.S.H.O. 1949 – H2C-S16 LOADING MODIFIED
MATERIAL AND FABRICATION SPECIFICATIONS N.Y.S. D.P.W. JAN. 2. 1951
SUPERSTRUCTURE W BEAMS, COMPOSITE CONSTRUCTION CENTER SPANS ONLY.
FOUNDATION TREATMENT OF ABUTMENTS ON PILES: FOR DESIGN PURPOSES, THE ASSUMED LOAD PER PILE DOES NOT EXCEED 30 TONS.
PIERS ON PILE FOUNDATIONS: FOR DESIGN PURPOSES, THE ASSUMED LOAD PER PILE DOES NOT EXCEED 30 TONS.
TOP SOILING, SODDING AND SEEDING TO BE SHOWN ON BRIDGE CONTRACT PLANS, AND INCLUDED IN BRIDGE ESTIMATE FOR BOTH APPROACHES TO EXTENT NOTED IN PLAN.

PREPARED AND RECOMMENDED

URQUHART & DOYLE CONSULTING ENGINEERS — DATE Aug 29-52
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

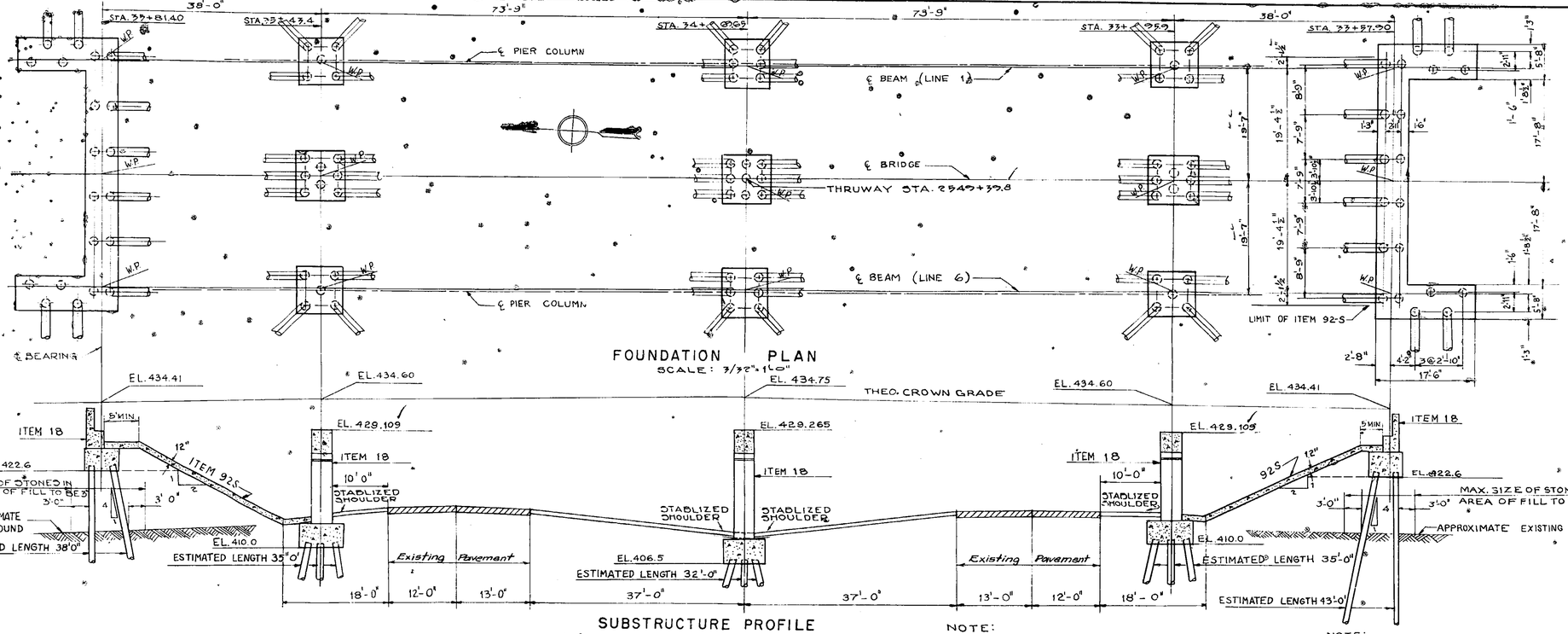
PRELIMINARY LAYOUT

KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

SHEET ~~13 OF 13~~ 5

24:1

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			57	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				



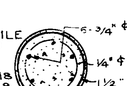
FOUNDATION PLAN
SCALE: 3/32"=1'-0"

SUBSTRUCTURE PROFILE
SCALE: 3/32"=1'-0"

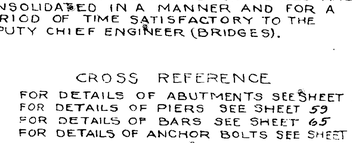
NOTE:
SHEET NUMBERS IN THE LOWER RIGHT-HAND CORNER OF THE SHEETS ARE TO BE USED FOR CROSS REFERENCE OF THE STRUCTURAL DETAILS

NOTE:
FOR DESIGN PURPOSES, MAX PILE LOADING DOES NOT EXCEED 30 TONS PER PILE.

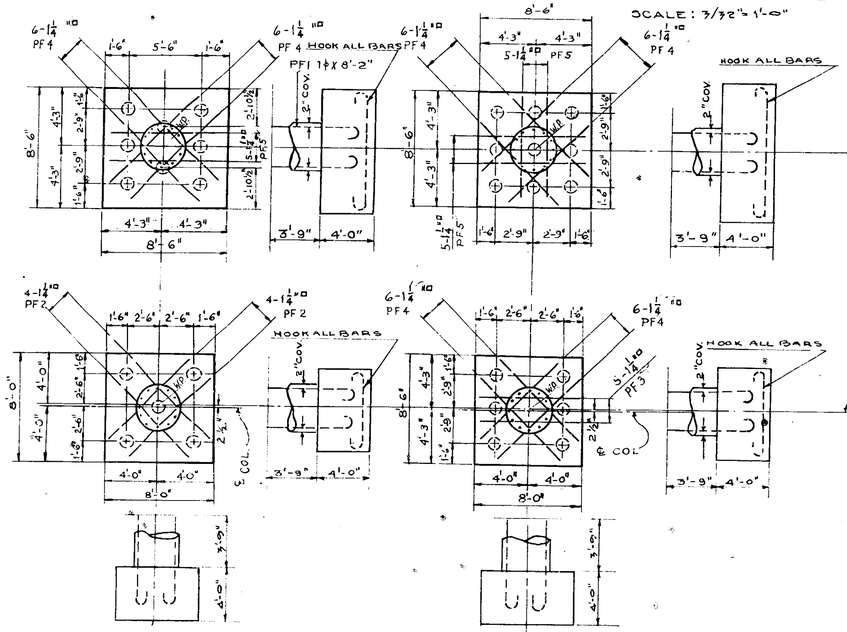
ALL CONCRETE IN FOOTINGS ITEM 18
ALL REINFORCING BARS, ITEM 28.



APPROVED METAL SPACERS SHALL BE ATTACHED TO THE TOP AND BOTTOM HOOPS TO INSURE THAT THE MINIMUM REQUIRED CLEAR DISTANCE TO THE SHELL WILL BE OBTAINED

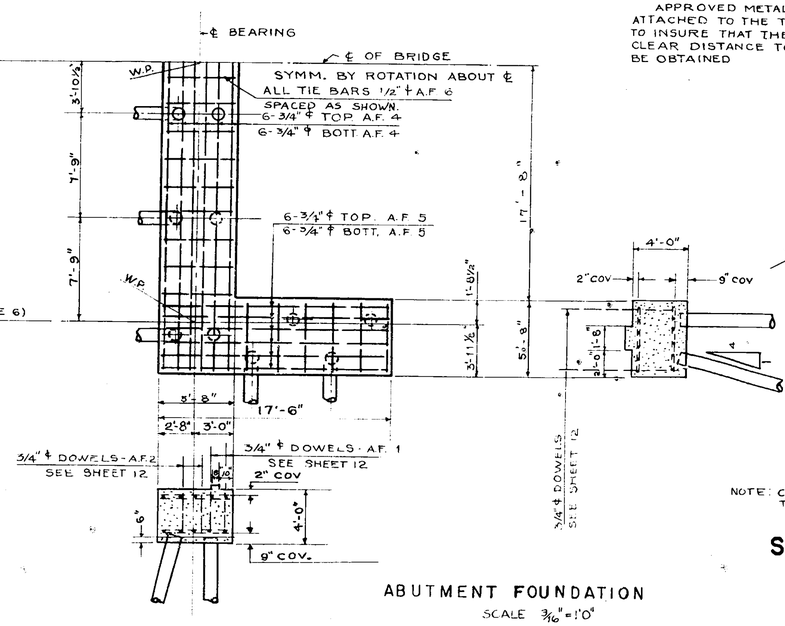


PAYMENT LINES FOR ITEM 5



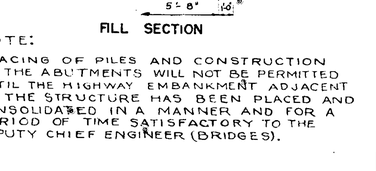
SECTION
NORTH AND SOUTH PIER FOUNDATION

SECTION
CENTER PIER FOUNDATION



SECTION A

ABUTMENT FOUNDATION
SCALE 3/16"=1'0"



NOTE:
PLACING OF PILES AND CONSTRUCTION OF THE ABUTMENTS WILL NOT BE PERMITTED UNTIL THE HIGHWAY EMBANKMENT ADJACENT TO THE STRUCTURE HAS BEEN PLACED AND CONSOLIDATED IN A MANNER AND FOR A PERIOD OF TIME SATISFACTORY TO THE DEPUTY CHIEF ENGINEER (BRIDGES).

CROSS REFERENCE
FOR DETAILS OF ABUTMENTS SEE SHEET 58
FOR DETAILS OF PIERS SEE SHEET 59
FOR DETAILS OF BARS SEE SHEET 65
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 63

NOTE: CROSS REFERENCE SHEET NUMBERS ARE THOSE SHOWN IN THE LOWER RIGHT HAND CORNER OF THE SHEETS.

SUBSTRUCTURE DETAILS

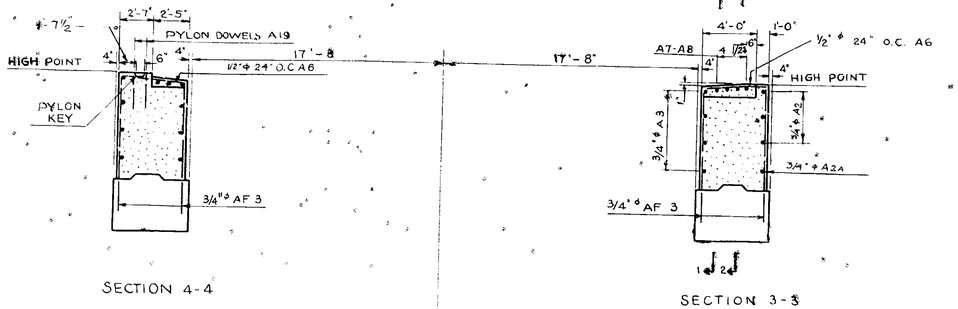
KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED
J. J. Doyle Feb 16-53
URQUHART & DOYLE CONSULTING ENGINEERS DATE
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			58	66

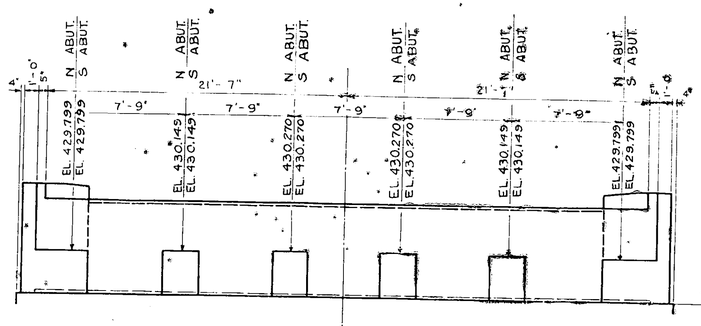
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8 B.

INTERCHANGE AT THOMPSON ROAD

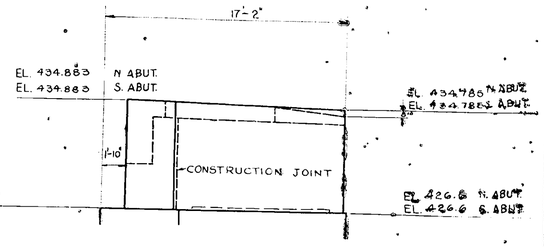


SECTION 4-4

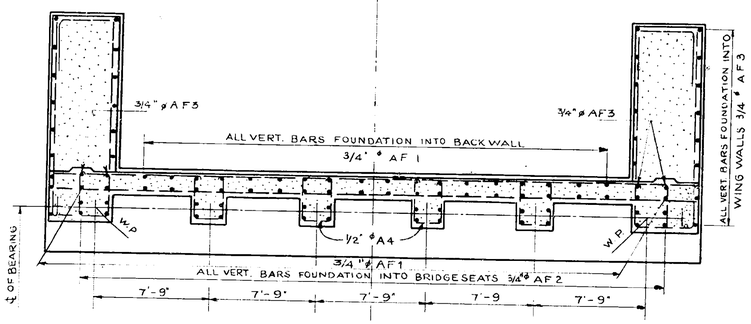
SECTION 3-3



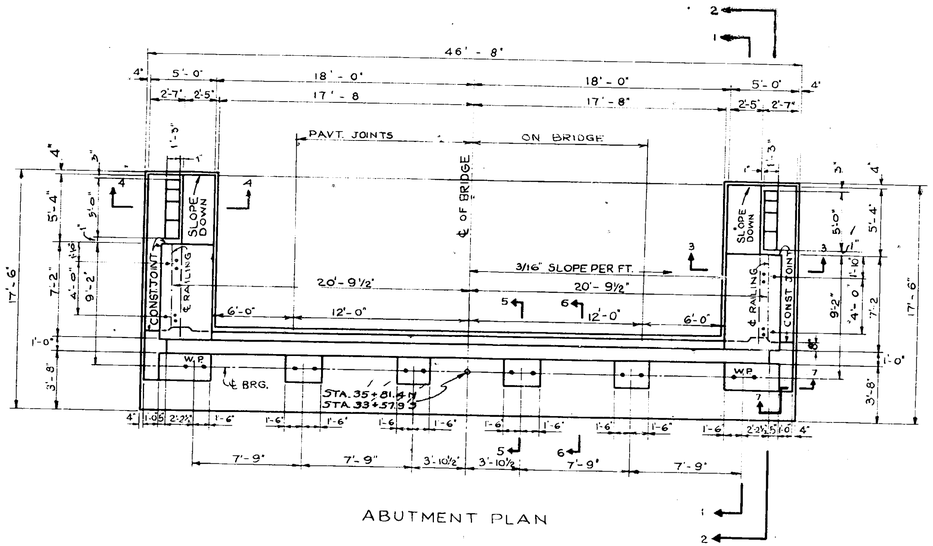
ABUTMENT ELEVATION



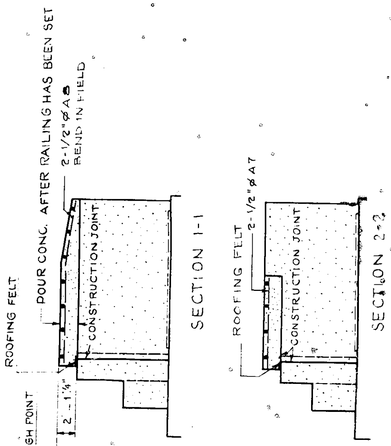
WING WALL

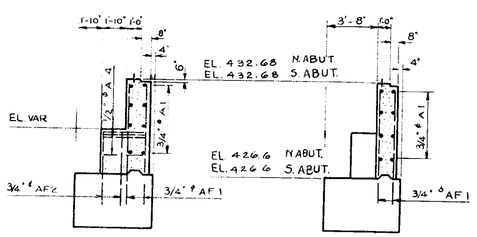


SECTIONAL PLAN
UNDER BRIDGE SEAT



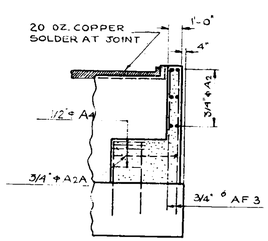
ABUTMENT PLAN



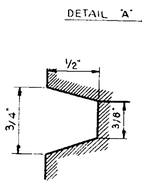


SECTION 5-5

SECTION 6-6

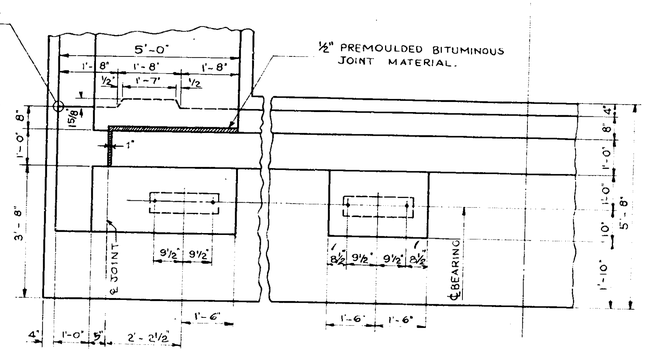


SECTION 7-7



DETAIL 'A'

NOT TO SCALE



BRIDGE SEAT DETAILS
SCALE 1/2" = 1'-0"

SCALE 3/16" = 1'-0", EXCEPT AS SHOWN

CROSS REFERENCE

FOR LAYOUT OF ABUTMENTS SEE SHEET 57
FOR DETAILS OF REINFORCING BARS SEE SHEET 65
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 63
FOR DETAILS OF ABUTMENT FOUNDATION SEE SHEET 57
FOR DETAILS OF PYLONS SEE SHEET 64
FOR DETAILS OF RAILINGS SEE SHEET 63
FOR STRINGER LAYOUT SEE SHEET 60

SUBSTRUCTURE DETAILS

KINNE STREET

MOHAWK SECTION

NEW YORK STATE THRUWAY

SHEET 58

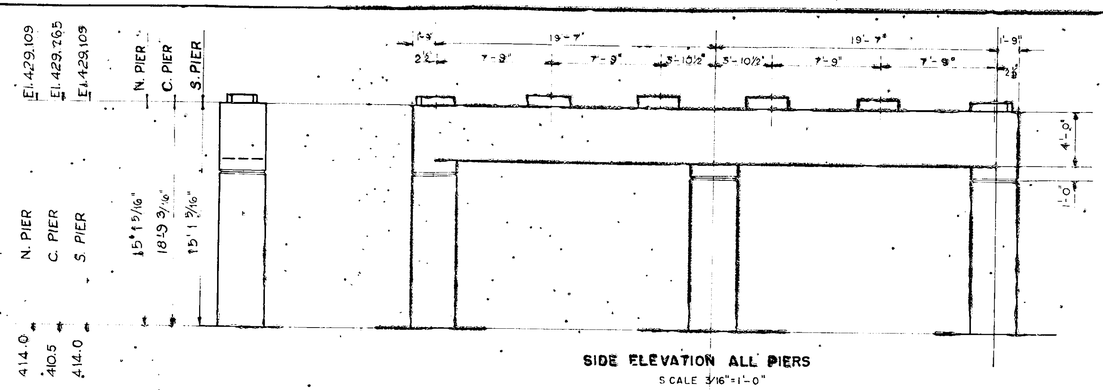
PREPARED AND RECOMMENDED FOR Doyle Feb 16-63

DURUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5662

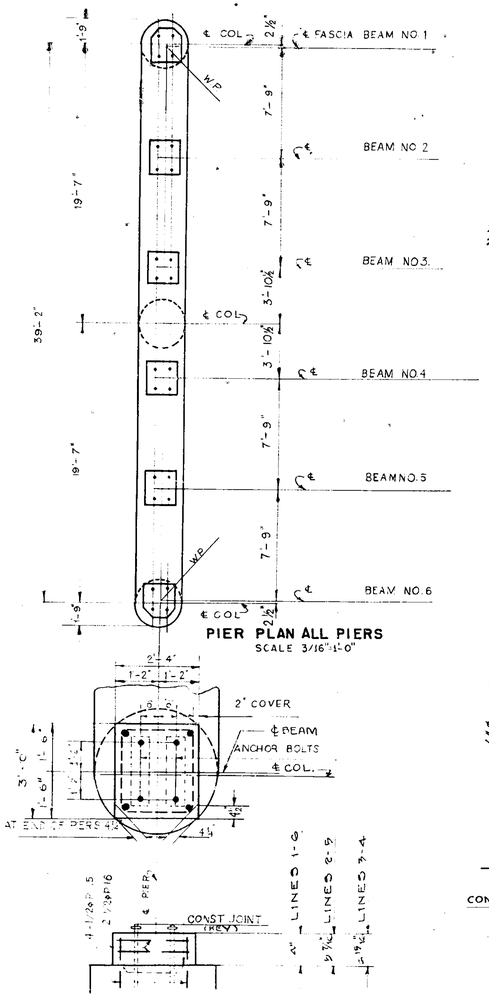
DATE

24:1

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			59	66
NY STATE THRUWAY, MOHAWK SECTION SUBDIV. 8 B				
INTERCHANGE AT THOMPSON ROAD				

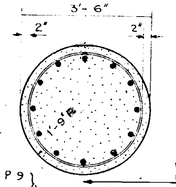


SIDE ELEVATION ALL PIERS
SCALE 3/16"=1'-0"

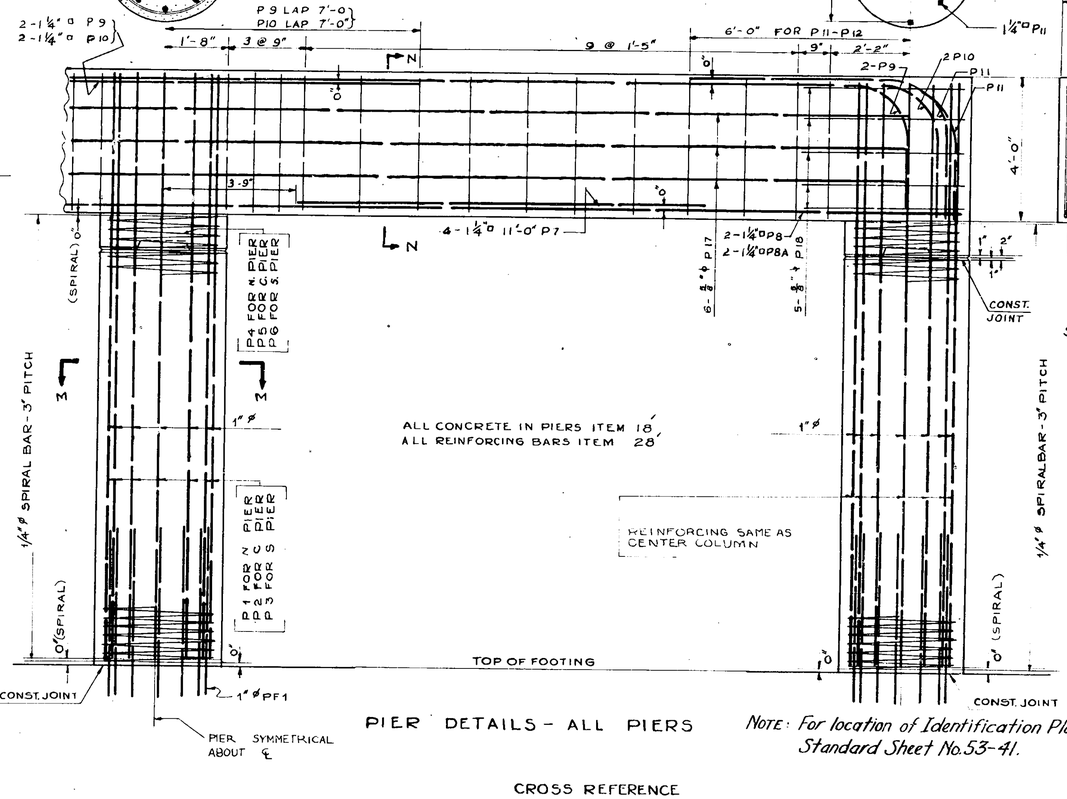


PIER PLAN ALL PIERS
SCALE 3/16"=1'-0"

DETAIL OF PIER PAD
SCALE 1/2"=1'-0"



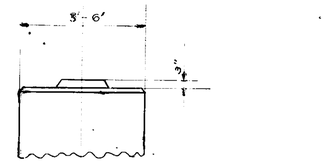
SECTION M-M

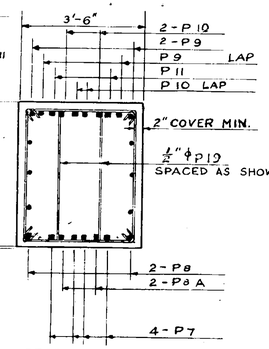


ALL CONCRETE IN PIERS ITEM 18'
ALL REINFORCING BARS ITEM 28'

REINFORCING SAME AS CENTER COLUMN

PIER DETAILS - ALL PIERS





SECTION N-N

NOTE: For location of Identification Plate see Standard Sheet No. 53-41.

CROSS REFERENCE

FOR LAYOUT OF PIERS SEE SHEET 57
FOR DETAILS OF REINFORCING BARS SEE SHEET 65
FOR DETAILS OF PIER FOUNDATION SEE SHEET 57
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 63

SUBSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
5	TRENCH, CULVERT & BRIDGE EXCAVATION	C.Y.	260	300
15-2	PORTLAND CEMENT TYPE 2	BBL.	745	764
15-N	NATURAL CEMENT TYPE N	BBL.	86	88
18	CLASS 1A CONCRETE FOR STRUCTURES	C.Y.	430	490
20	BAR REINFORCEMENT FOR STRUCTURES	LB.	44,500	46,000
85-C	CAST IN PLACE CONCRETE PILES	L.F.	3,552	3,700
87	FURNISHING & EQUIPMENT FOR DRIVING PILES	L.S.	NEC	NEC
925	SCREENED GRAVEL - LOOSE MEASURE	C.Y.	145	155
121	TOP SOIL PLACED FROM STOCK PILES	C.Y.	360	380
123	SEEDING	ACRE.	.4	.5
124	SODDING	S.Y.	635	670

SUBSTRUCTURE

GENERAL NOTES

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHERE PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER (BRIDGES), IN WHICH CASE, HIS SUPPLEMENTAL INSTRUCTIONS SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATER-PROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41 W TO ALL EXPOSED SURFACES.

ALL SHOE BEARING SURFACES SHALL BE CAST ¼" ABOVE ELEVATIONS SHOWN ON THE PLANS, AND AFTER THE CONCRETE IS CURED, SHALL BE BUSH-HAMMERED TO THE REQUIRED ELEVATIONS.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS AT THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO THE CONSTRUCTION.

PREPARED AND RECOMMENDED:

G. Doyle Feb 16 '53
DATE

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SUBSTRUCTURE DETAILS

KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

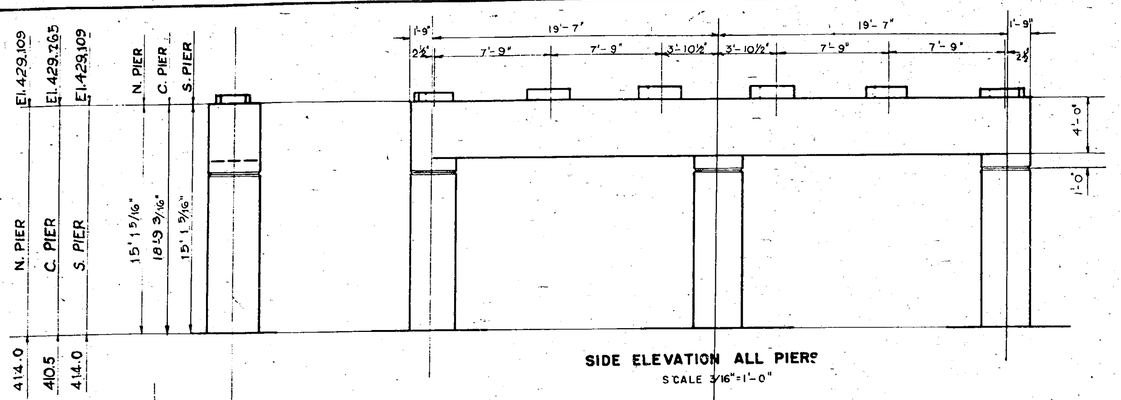
SHEET 59

O.T. 53-C, M.T. 53-8, S.T. 53-29, R.C. 53-36

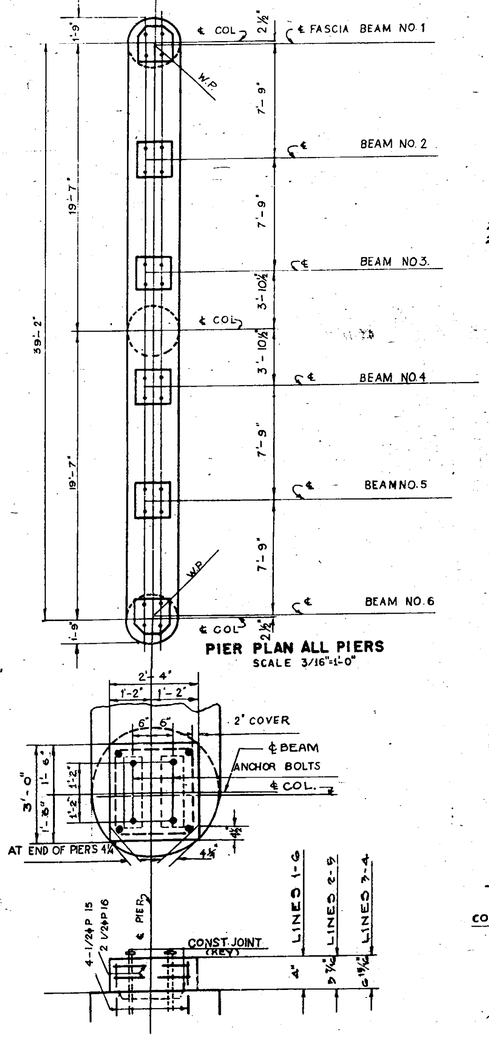
COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			59	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88
INTERCHANGE AT THOMPSON ROAD

59R

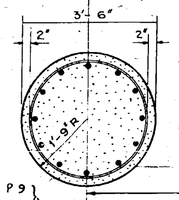


SIDE ELEVATION ALL PIERS
SCALE 3/16"=1'-0"

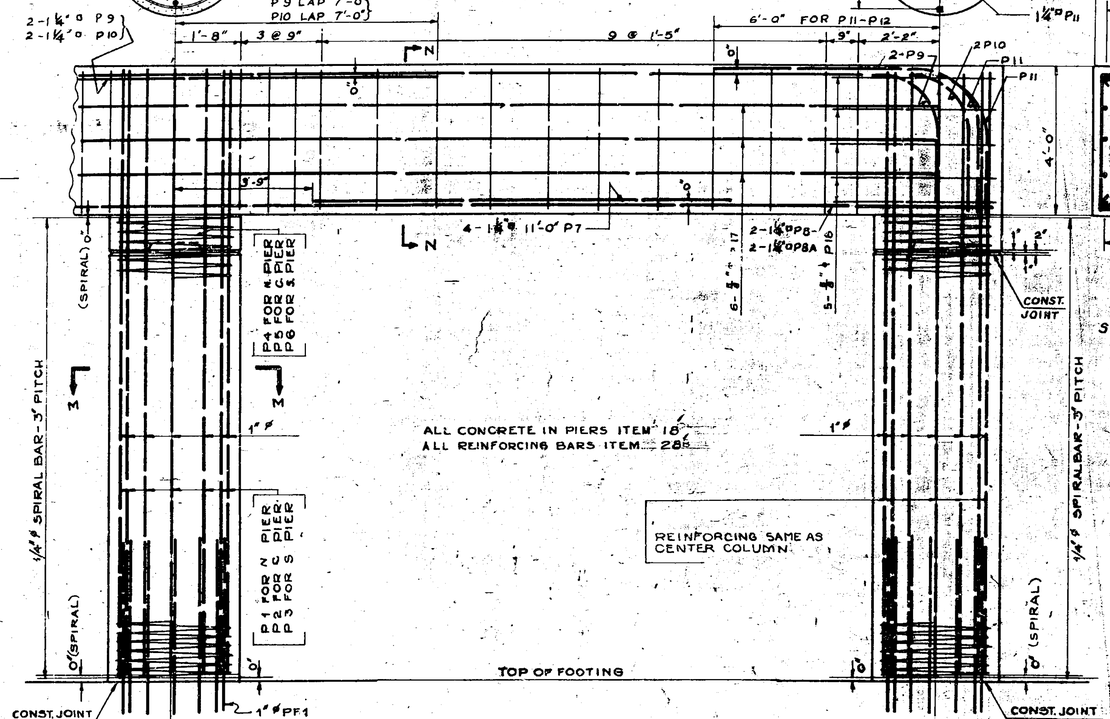


PIER PLAN ALL PIERS
SCALE 3/16"=1'-0"

DETAIL OF PIER PAD
SCALE 1/2"=1'-0"



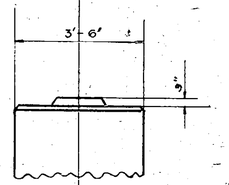
SECTION M-M

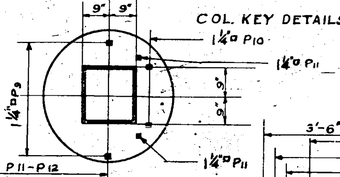


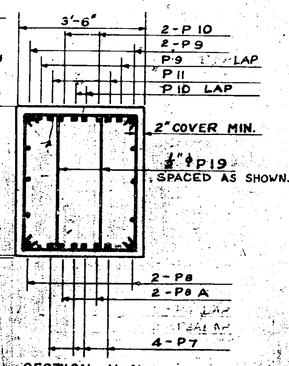
PIER DETAILS - ALL PIERS

PIER SYMMETRICAL ABOUT ℄

ALL CONCRETE IN PIERS ITEM 18
ALL REINFORCING BARS ITEM 28S







SECTION N-N

CROSS REFERENCE

FOR LAYOUT OF PIERS SEE SHEET 57
FOR DETAILS OF REINFORCING BARS SEE SHEET 65
FOR DETAILS OF PIER FOUNDATION SEE SHEET 57
FOR DETAILS OF ANCHOR BOLTS SEE SHEET 63

SUBSTRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
5	TRENCH, CULVERT & BRIDGE EXCAVATION	C.Y.	260	300
15-2	PORTLAND CEMENT TYPE 2	BBL.	745	764
15-N	NATURAL CEMENT TYPE N	BBL.	80	80
18	CLASS 1A CONCRETE FOR STRUCTURES	C.Y.	430	440
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	46,500	46,000
85-C	CAST IN PLACE CONCRETE PILES	L.F.	3,552	3,700
87	FURNISHING EQUIPMENT FOR DRIVING PILES	L.S.	NEC	NEC
923	SCREENED GRAVEL - LOOSE MEASURE	C.Y.	145	155
121	TOP SOIL PLACED FROM STOCK PILES	C.Y.	360	380
123	SEEDING	ACRE.	4	5
124	SODDING	S.Y.	630	670

SUBSTRUCTURE

GENERAL NOTES

CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHERE PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER (BRIDGES), IN WHICH CASE, HIS SUPPLEMENTAL INSTRUCTIONS SHALL BE STRICTLY FOLLOWED.

AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY A WATER-PROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41-W TO ALL EXPOSED SURFACES.

ALL SHOE BEARING SURFACES SHALL BE CAST ¼" ABOVE ELEVATIONS SHOWN ON THE PLANS, AND AFTER THE CONCRETE IS CURED, SHALL BE BUSH-HAMMERED TO THE REQUIRED ELEVATIONS.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS AT THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO THE CONSTRUCTION.

NOTE: For location of Identification Plate see Standard Sheet No. 53-41.

BUILT ACCORDING TO PLAN

PREPARED AND RECOMMENDED:

C. D. Doyle Feb 16-53
DATE

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SUBSTRUCTURE DETAILS

KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

SHEET 59

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			60	66
N.Y. STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8 B				
INTERCHANGE AT THOMPSON ROAD				

SUPERSTRUCTURE

GENERAL NOTES

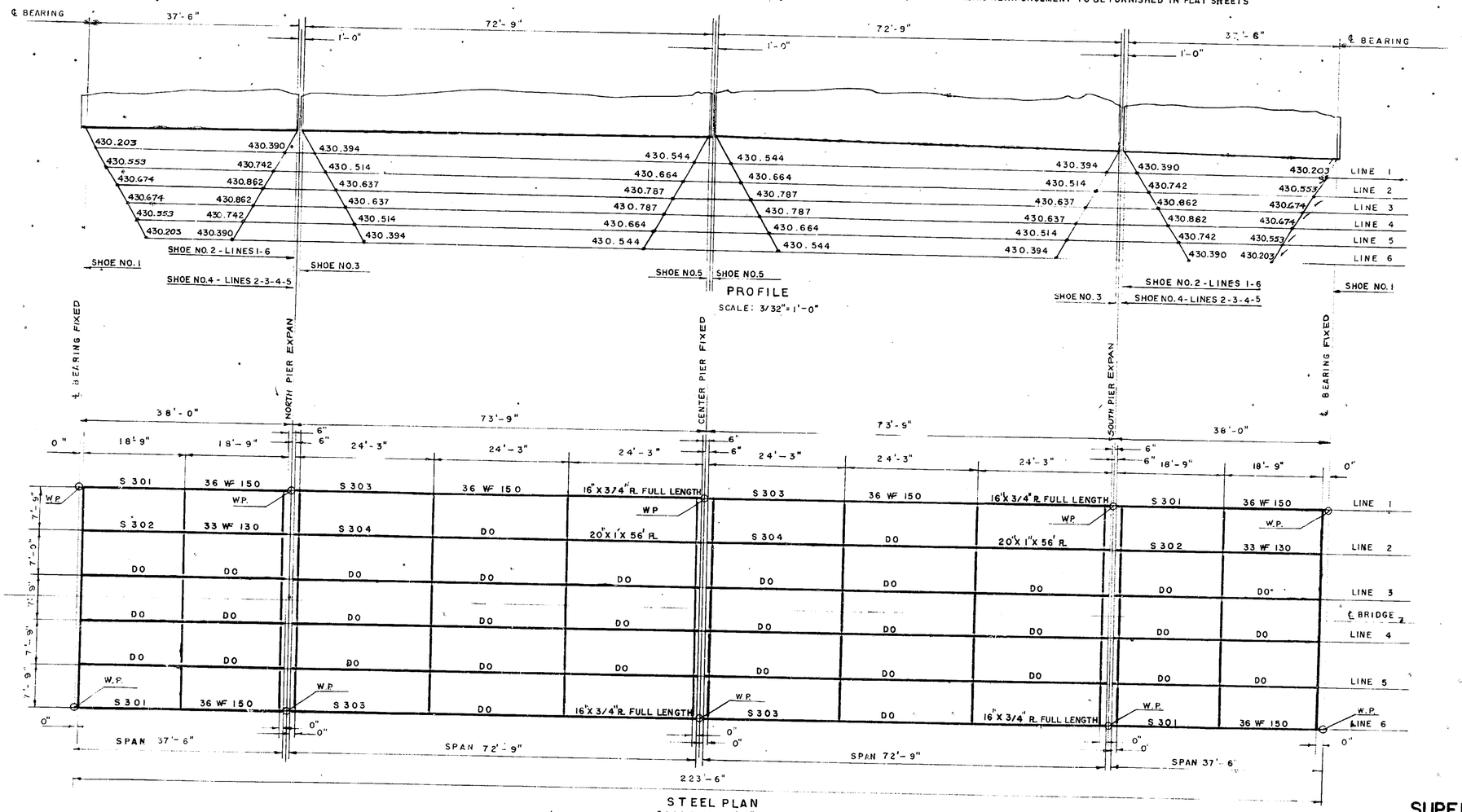
THE DESIGN OF THE STRUCTURE IS BASED ON A.A.S.H.O. SPECIFICATIONS, 1949. H 20-S16-44 LOADING AND CURRENT MODIFICATIONS AND ADDITIONS
ALL CONCRETE OF SUPERSTRUCTURE SHALL BE ITEM 18, EXCEPT CONCRETE OF PYLONS WHICH SHALL BE ITEM 19, AND CEMENT CONCRETE PAVEMENT, WHICH SHALL BE ITEM 47-BM
THE COST OF FURNISHING AND INSTALLING METAL EXPANSION MATERIAL, METAL WATER STOP, PREMOULDED BITUMINOUS JOINT MATERIAL, CAULKING COMPOUND, PARA-PLASTIC, SPONGE RUBBER, ASPHALT ROOFING FELT, ETC., SHALL BE INCLUDED IN THE BID PRICES OF THE RESPECTIVE CONCRETE ITEMS OF THE CONTRACT.

ALL MATERIALS, WORKMANSHIP, AND FABRICATION SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS, JANUARY 2, 1951, AND CURRENT MODIFICATIONS AND ADDITIONS.
WHERE CAULKING COMPOUND IS TO CONTACT CONCRETE SURFACES, SUCH CONCRETE SHALL BE THOROUGHLY CLEANED AND DRY, AND PRIMED WITH A PRIMING COAT AT LEAST 30 MINUTES BEFORE THE APPLICATION OF CAULKING COMPOUND, THIS WORK SHALL BE DONE BY EXPERIENCED MEN, AND THE COMPLETE OPERATION SHALL BE SPECIALLY DIRECTED BY THE ENGINEER.
CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHEN PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER OF BRIDGES IN WHICH CASE HIS SUPPLEMENTAL INSTRUCTION SHALL BE STRICTLY FOLLOWED.
AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY WATERPROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41W TO ALL EXPOSED SURFACES EXCEPT THE UNDERSIDE OF SLABS, TWO APPLICATIONS OF WATERPROOFING OIL TREATMENT SHALL BE APPLIED AT THE TOP OF THE SLAB, THE SECOND APPLICATION SHALL BE APPLIED TWO DAYS PRIOR TO THE PLACING OF THE PAVEMENT OR SIDEWALK.
IMMEDIATELY BEFORE PLACING PAVEMENT CONCRETE, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINOUSLY FOR ONE HOUR, IF THE AIR TEMPERATURE IS ABOVE 50F. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE PRICE BID FOR ITEM 47-BM
THE CONTRACTORS ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE, WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS OF THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO CONSTRUCTION.

SUPERSTRUCTURE QUANTITES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
15-2	PORTLAND CEMENT TYPE 2	BBL.	418	425
15-N	NATURAL CEMENT TYPE N	BBL.	81	84
18	CLASS IA CONCRETE FOR STRUCTURES	C.Y.	291	300
19	CLASS IA CONCRETE FOR RAILINGS	C.Y.	25	3
28	BAR REINFORCEMENT FOR STRUCTURES	LB	69,300	72,000
28B	SPIRAL BAR SHEAR CONNECTORS	LB.	2,260	2,380
29	STRUCTURAL STEEL	LB.	283,800	292,300
37	METAL RAILING	L.F.	482	485
47BM	CEMENT CONCRETE PAVEMENT	C.Y.	102	105
* 25F	STEEL FABRIC REINFORCEMENT	S.Y.	900	940
15-0A	PORTLAND CEMENT TYPE 1A	BBL.	152	157

* STEEL FABRIC REINFORCEMENT TO BE FURNISHED IN FLAT SHEETS



PROFILE
SCALE: 3/32"=1'-0"

STEEL PLAN
SCALE 3/32"=1'-0"

NOTE
ELEVATIONS ARE TO BOTTOM OF BOTTOM FLANGE.

PREPARED AND RECOMMENDED
URQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667
F.J. Doyle F.B. 16-52
DATE

SUPERSTRUCTURE DETAILS
KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

O.T. 53-2, M.T. 58.98, F. 58.98, D. 58.98

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			60	66
N.Y. STATE THRUWAY, MOHAWK SECTION, SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

60R

SUPERSTRUCTURE

GENERAL NOTES

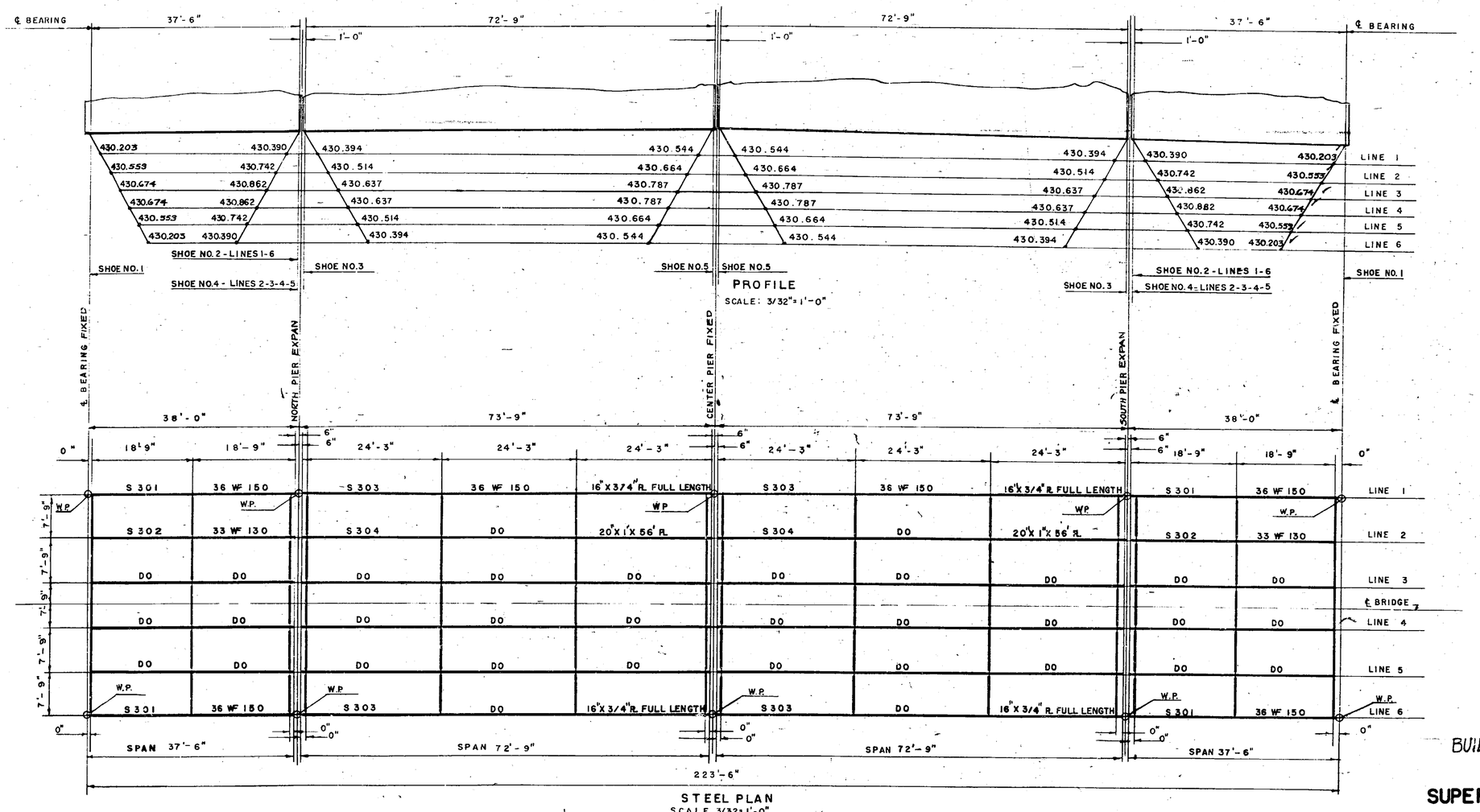
THE DESIGN OF THE STRUCTURE IS BASED ON A.A.S.H.O. SPECIFICATIONS, 1949. H 20-S16-44 LOADING AND CURRENT MODIFICATIONS AND ADDITIONS
ALL CONCRETE OF SUPERSTRUCTURE SHALL BE ITEM 18, EXCEPT CONCRETE OF PYLONS WHICH SHALL BE ITEM 19, AND CEMENT CONCRETE PAVEMENT, WHICH SHALL BE ITEM 47-8M
THE COST OF FURNISHING AND INSTALLING METAL EXPANSION MATERIAL, METAL WATER STOP, PREMOULDED BITUMINOUS JOINT MATERIAL, CAULKING COMPOUND, PAPER, PLASTIC, SPONGE RUBBER, ASPHALT ROOFING FELT, ETC., SHALL BE INCLUDED IN THE BID PRICES OF THE RESPECTIVE CONCRETE ITEMS OF THE CONTRACT.

ALL MATERIALS, WORKMANSHIP, AND FABRICATION SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS, JANUARY 2, 1951, AND CURRENT MODIFICATIONS AND ADDITIONS.
WHERE CAULKING COMPOUND IS TO CONTACT CONCRETE SURFACES, SUCH CONCRETE SHALL BE THOROUGHLY CLEANED AND DRY, AND PRIMED WITH A PRIMING COAT AT LEAST 30 MINUTES BEFORE THE APPLICATION OF CAULKING COMPOUND, THIS WORK SHALL BE DONE BY EXPERIENCED MEN, AND THE COMPLETE OPERATION SHALL BE SPECIALLY DIRECTED BY THE ENGINEER.
CONSTRUCTION JOINTS SHALL BE PLACED ONLY AS AND WHERE SHOWN ON THE PLANS, EXCEPT WHEN PERMISSION IN WRITING IS GIVEN BY THE DEPUTY CHIEF ENGINEER OF BRIDGES, IN WHICH CASE HIS SUPPLEMENTAL INSTRUCTION SHALL BE STRICTLY FOLLOWED.
AFTER THE CONCRETE IS CURED, THE CONTRACTOR SHALL APPLY WATERPROOFING OIL TREATMENT, AS DESCRIBED IN THE SPECIFICATIONS FOR M-41W TO ALL EXPOSED SURFACES EXCEPT THE UNDERSIDE OF SLABS, TWO APPLICATIONS OF WATERPROOFING OIL TREATMENT SHALL BE APPLIED AT THE TOP OF THE SLAB, THE SECOND APPLICATION SHALL BE APPLIED TWO DAYS PRIOR TO THE PLACING OF THE PAVEMENT OR SIDEWALK.
IMMEDIATELY BEFORE PLACING PAVEMENT CONCRETE, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINOUSLY FOR ONE HOUR, IF THE AIR TEMPERATURE IS ABOVE 50F. PAYMENT FOR THIS WORK WILL BE INCLUDED IN THE PRICE BID FOR ITEM 47-8M
THE CONTRACTORS ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THIS STRUCTURE WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE, WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS OF THE SITE OF THE STRUCTURE, AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO CONSTRUCTION.

SUPERSTRUCTURE QUANTITES

ITEM NO.	DESCRIPTION	UNIT	NEAT	ROUNDED
15-2	PORTLAND CEMENT TYPE 2	BBL.	411	425
15-N	NATURAL CEMENT TYPE N	BBL.	81	84
18	CLASS IA CONCRETE FOR STRUCTURES	C.Y.	291	300
19	CLASS IA CONCRETE FOR RAILINGS	C.Y.	25	3
28	BAR REINFORCEMENT FOR STRUCTURES	LB.	69,300	72,000
28B	SPIRAL BAR SHEAR CONNECTORS	LB.	2,260	2,380
29	STRUCTURAL STEEL	LB.	283,800	293,300
37	METAL RAILING	L.F.	482	485
47BM	CEMENT CONCRETE PAVEMENT	C.Y.	102	105
*25F	STEEL FABRIC REINFORCEMENT	S.Y.	900	940
15-5A	PORTLAND CEMENT TYPE 1A	BBL.	182	187

* STEEL FABRIC REINFORCEMENT TO BE FURNISHED IN FLAT SHEETS



STEEL PLAN
SCALE 3/32"=1'-0"

NOTE
ELEVATIONS ARE TO BOTTOM OF BOTTOM FLANGE.

BUILT ACCORDING TO PLAN

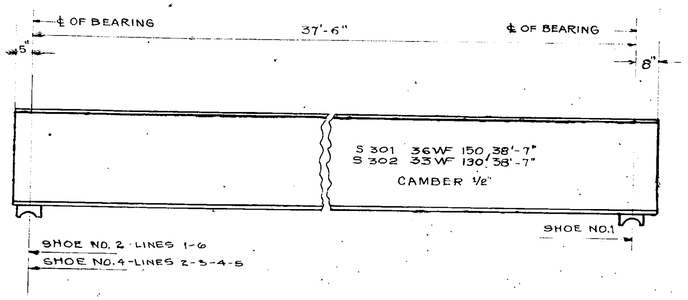
SUPERSTRUCTURE DETAILS
KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

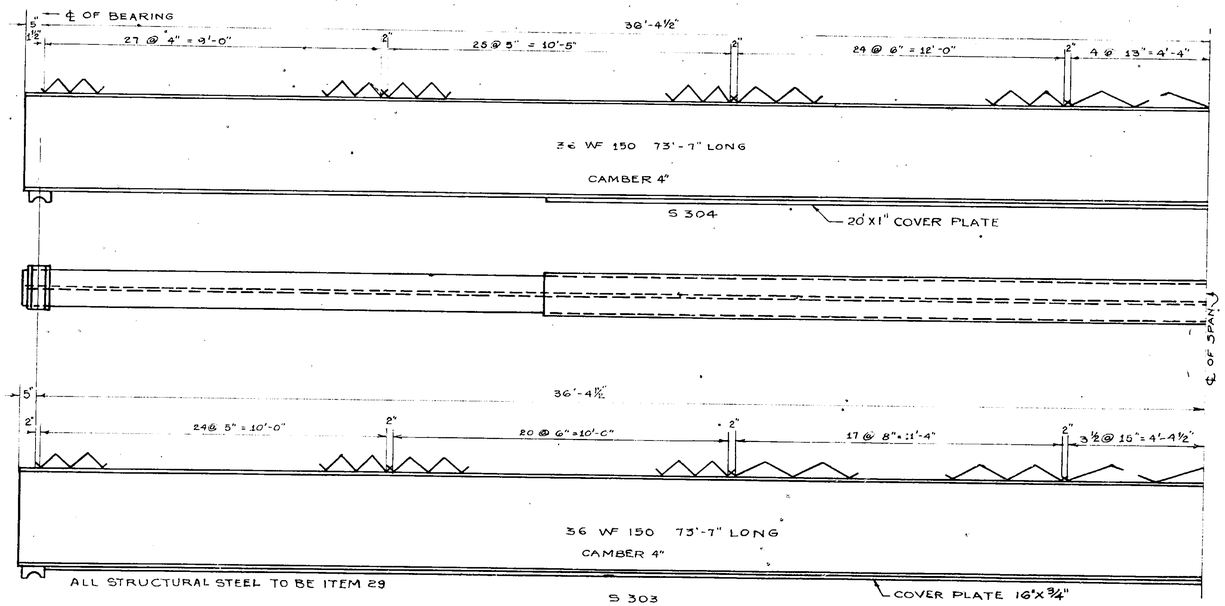
PREPARED AND RECOMMENDED
URQUHART & DOYLE CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667
DATE FEB 16-53

SHEET 60

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			61	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8.5
INTERCHANGE AT THOMPSON ROAD



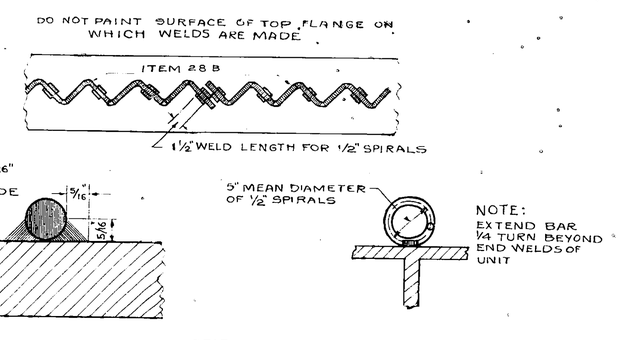


NOTE:

ALL COVER PLATES TO BE WELDED WITH 5/16" CONTINUOUS FILLET WELDS.

SCALE: 1½" = 1'-0" EXCEPT AS SHOWN

FOR SHOE DETAILS SEE SHEET 63



SPIRAL DETAILS

NOT TO SCALE
ALL SPIRAL SHEAR BARS ARE ITEM 28 B

SPECIAL NOTES FOR SPIRALS

THE CONTRACTOR'S AND ENGINEER'S ATTENTION IS CALLED TO THE POSSIBILITY OF INTERFERENCE BETWEEN THE REINFORCING STEEL IN THE SLAB AND THE BEAM SPIRALS WHILE STEEL SPACING IS GIVEN AS 5½ INCHES, IT IS TO BE UNDERSTOOD THAT 2 BARS IN EACH 1 FT. 11 IN. WILL FULFILL THIS REQUIREMENT. IF NO TWO BARS ARE CLOSER THAN 1" LESS THAN REQUIRED SPACING OR FURTHER APART THAN 1" MORE THAN REQUIRED SPACING. IF NECESSARY, SOME BARS MAY BE THREADED THRU ONE OR MORE SPIRALS. ALL SPIRALS MUST HAVE TWO STRUCTURAL WELDS 5/16" X 1½ LONG, AT EACH SIDE OF THE BAR AS SHOWN. 5/32" OR 3/16" DIAMETER ELECTRODES SHALL BE USED IN WELDING THE SPIRAL BAR REINFORCEMENT. SPECIAL PRECAUTIONS MUST BE EXERCISED WHERE WELDING CROSSES EDGE OF FLANGE TO AVOID ANY POSSIBILITY OF UNDERCUT OR NICKS IN THE EDGE OF FLANGE.

SUPERSTRUCTURE DETAILS

KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

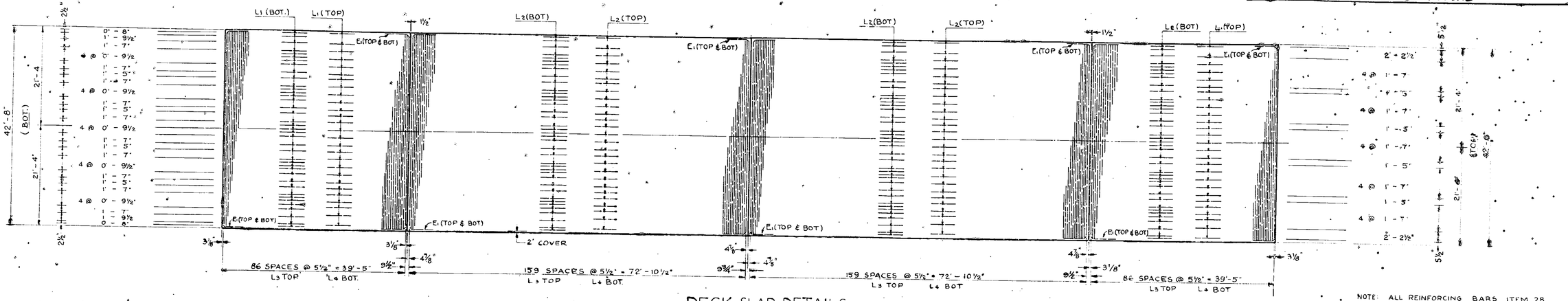
PREPARED AND RECOMMENDED:

URQUHART & CYLE CONSULTING ENGINEERS — DATE Feb 16-53
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			62	66

N.Y. STATE THRUWAY MOHAWK SECTION SUB DIV. 8B

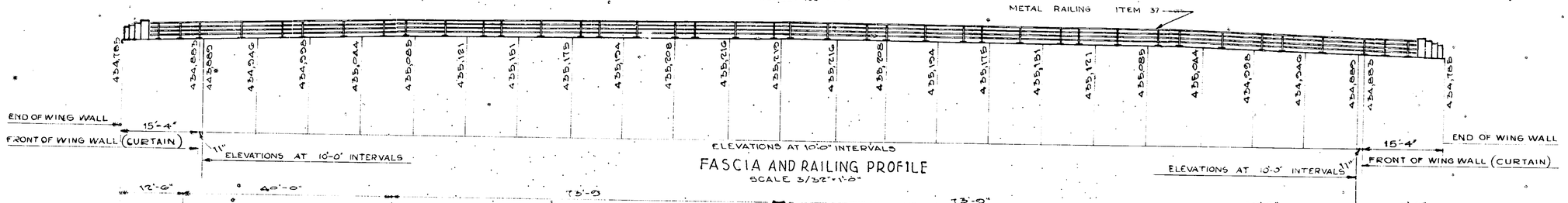
INTERCHANGE AT THOMPSON ROAD



DECK SLAB DETAILS

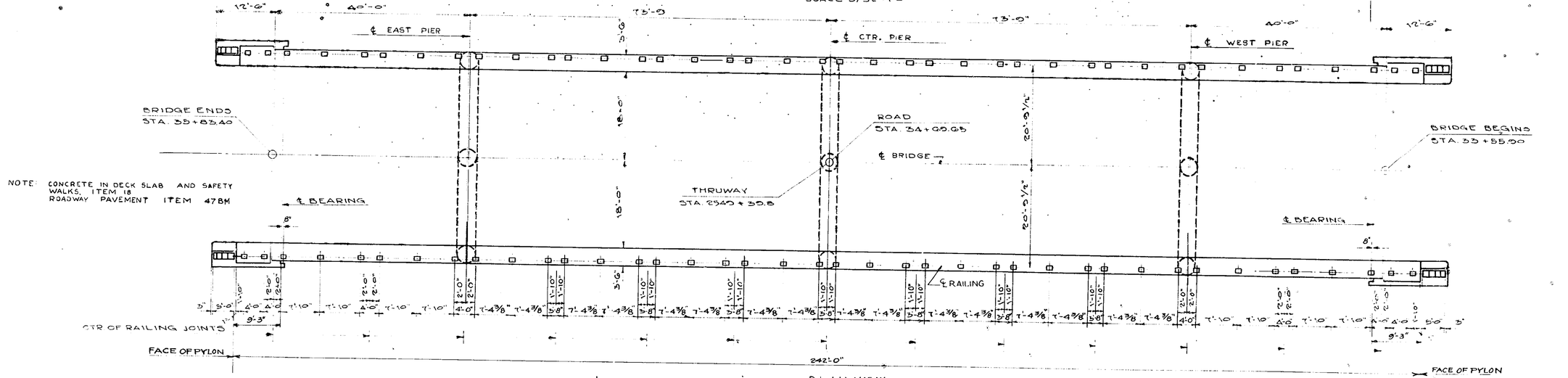
SCALE: 3/32" = 1'-0"

NOTE: ALL REINFORCING BARS ITEM 28
ALL REINFORCING BARS IN DECK SLAB
⅝ ϕ - #5



FASCIA AND RAILING PROFILE

SCALE 3/32" = 1'-0"



NOTE: CONCRETE IN DECK SLAB AND SAFETY WALKS, ITEM 18
ROADWAY PAVEMENT ITEM 478M

PLAN VIEW

SCALE 3/32" = 1'-0"

CROSS REFERENCE

FOR DETAILS OF RAILING SEE SHEET 64
FOR DETAILS OF REINFORCING BARS SEE SHEET 65
FOR DETAILS OF DECK SEE SHEET 64
FOR DETAILS OF SLAB JOINTS SEE SHEET 64

SUPERSTRUCTURE DETAILS

KINNE STREET

MOHAWK SECTION

NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED:

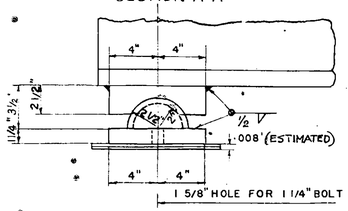
URQUHART & DOYLE CONSULTING ENGINEERS

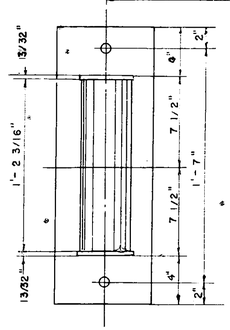
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 54697

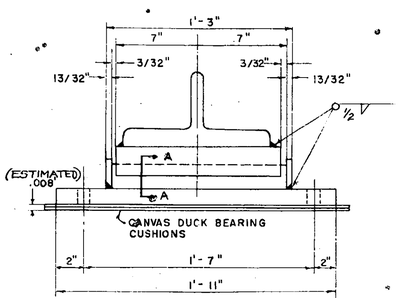
DATE Feb 16-53

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			63	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B.				
INTERCHANGE AT THOMPSON ROAD				

SECTION A-A

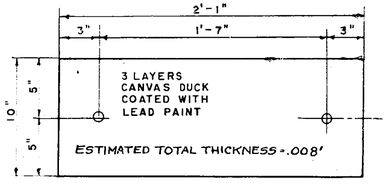






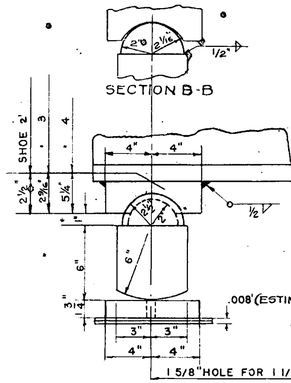
NOTE:
1/2" WELD ON ALL SHOES

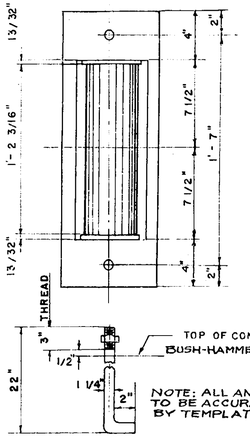
SHOE 1



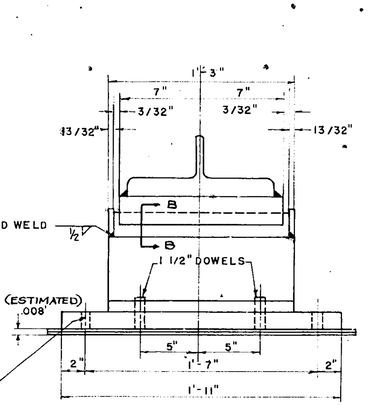
CANVAS DUCK BEARING CUSHION

SECTION B-B

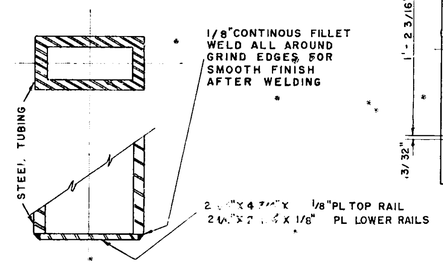




DETAIL OF ANCHOR BOLT

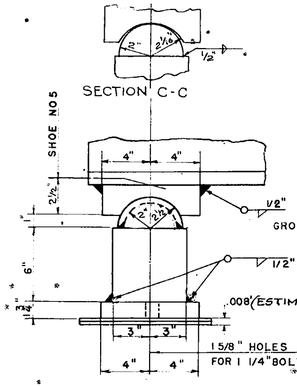


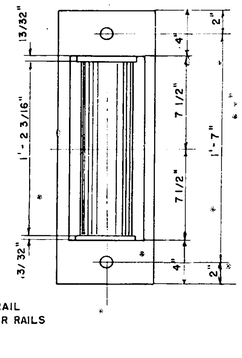
SHOES 2,3,4

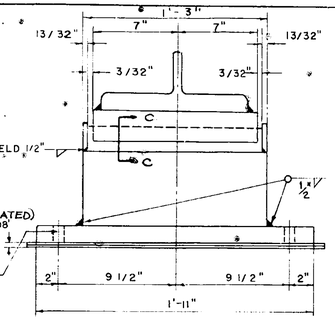


DETAIL AT ENDS OF RAILS
NOT TO SCALE

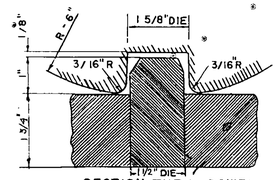
SECTION C-C







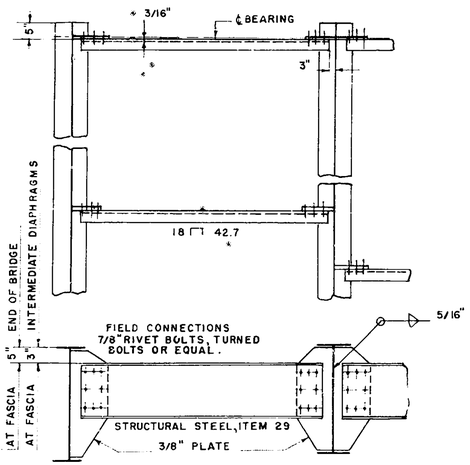
SHOE 5



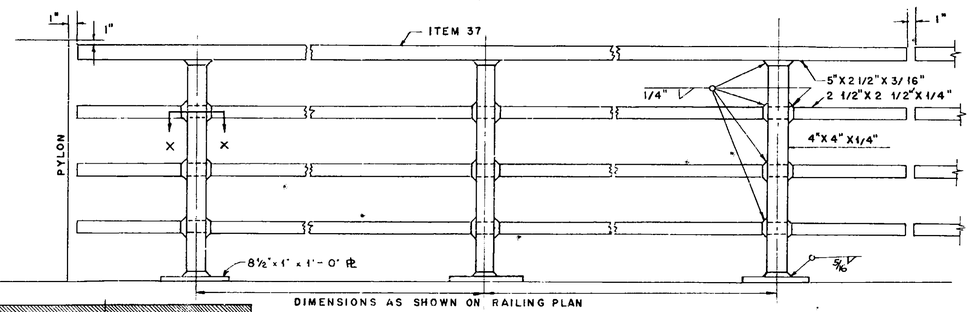
SECTION THRU DOWEL
SCALE HALF SIZE

ALL SHOES ITEM 29

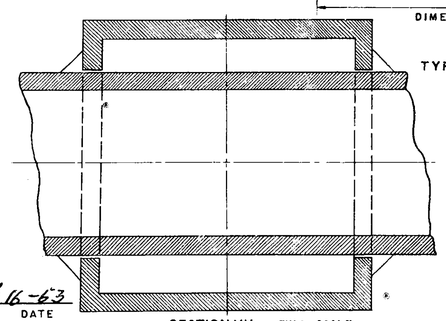
SCALE OF SHOES 2" = 1'-0"



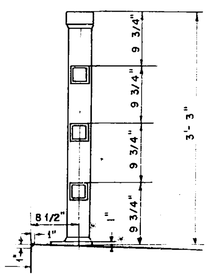
TYPICAL DIAPHRAGM DETAILS



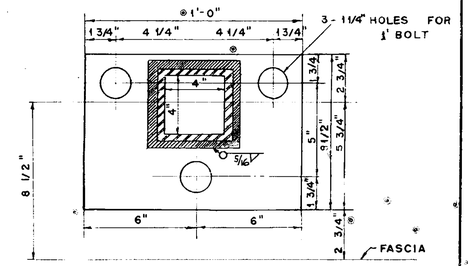
TYPICAL RAILING DETAIL
SCALE 1" = 1'-0"



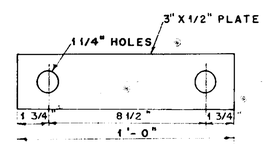
SECTION XX FULL SCALE



SECTION THRU RAILING



RAIL POST BASE PLATE
SCALE 3" = 1'-0"



RAILING ANCHOR PLATE
SCALE 3" = 1'-0"

NOTE:

WHERE STEEL EXCEEDING ONE INCH IN THICKNESS IS TO BE WELDED, MILD STEEL ARC-WELDING ELECTRODES WITH COVERING OF LOW-HYDROGEN TYPE SHALL BE USED. THESE ELECTRODES MUST COMPLY WITH A.S.T.M.(A233-48T) REQUIREMENTS FOR CLASSIFICATION. E 6015, E 6016.
ALL RAILINGS ARE TO BE FABRICATED AND ERECTED SO THAT RAILS ARE PARALLEL TO EACH OTHER AND TO THE TOP OF FASCIA AND POSTS ARE TRULY VERTICAL.

FOR NOTES AND DETAILS NOT SHOWN SEE SHEET 53-106.

PREPARED AND RECOMMENDED

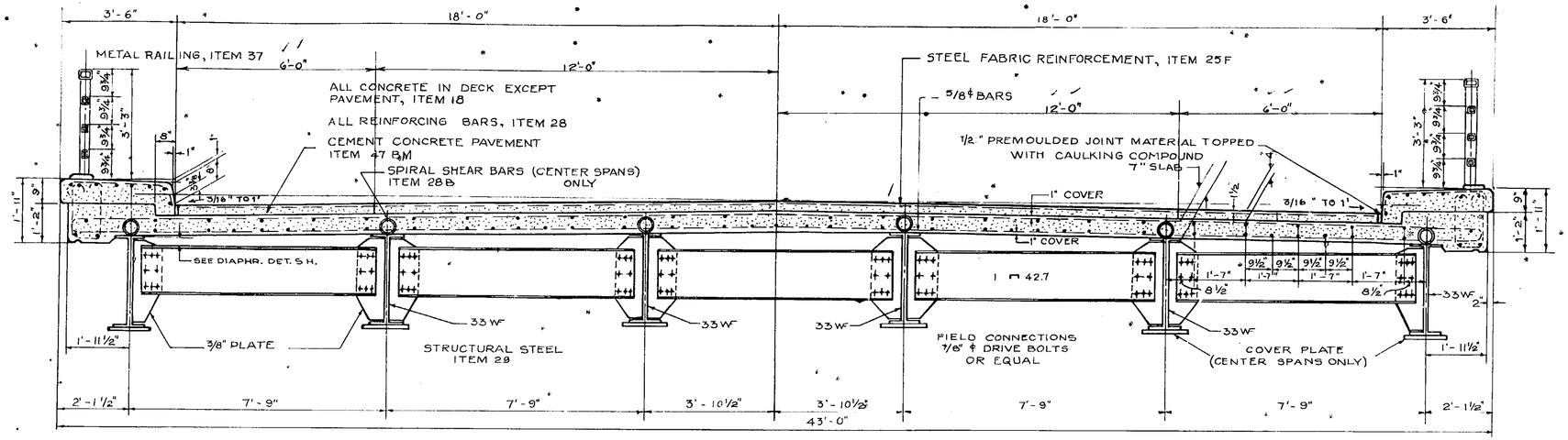
URQ. HART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LISENSE NO 5667

J. J. Doyle Feb 16-63
DATE

SUPERSTRUCTURE DETAILS

KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			64	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUB DIV. 88.				
INTERCHANGE AT THOMPSON ROAD				



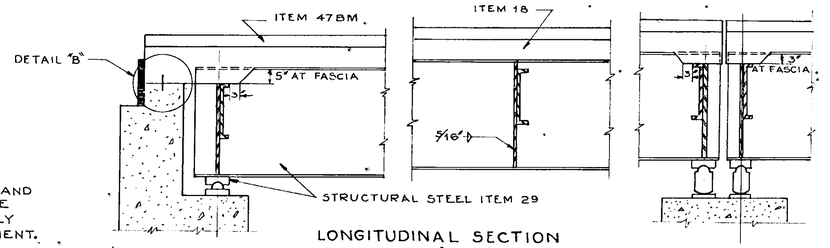
TRANSVERSE SECTION
SCALE 1/2" = 1'-0"

NOTE:

IMMEDIATELY BEFORE PLACING CONCRETE PAVEMENT, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR IF THE AIR TEMPERATURE IS ABOVE 50°F. COST OF SAME TO BE UNDER ITEM 1WA.

CEMENT IN ITEM 47BM TO BE PORTLAND CEMENT TYPE 1A, ITEM 15-BA.

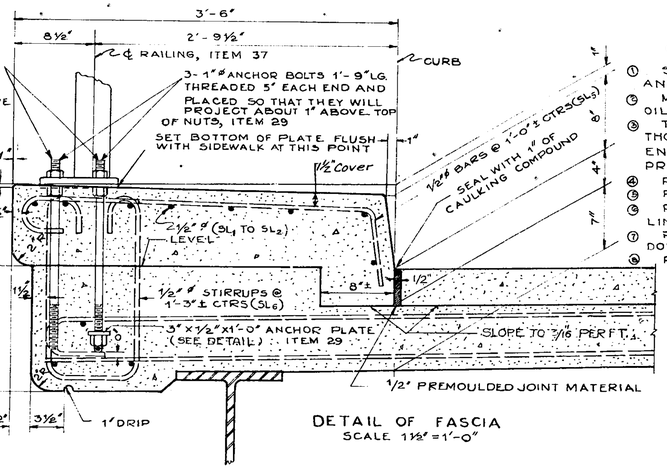
CEMENT IN ITEMS 18 & 19 TO BE 11 PARTS PORTLAND CEMENT TYPE 2, ITEM 15-2 AND ONE PART NATURAL CEMENT TYPE N - ITEM 15N.



LONGITUDINAL SECTION
SCALE 1/2" = 1'-0"

NOTE:

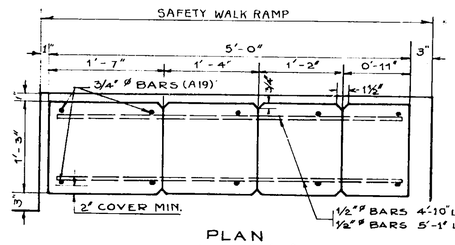
ALL DIAPHRAGMS SET LEVEL. INTERMEDIATE DIAPHRAGMS PERPENDICULAR TO GIRDERS WITH TOPS 3" BELOW TOP OF FASCIA GIRDERS. TOPS OF END DIAPHRAGMS 5" BELOW TOP OF FASCIA GIRDERS.



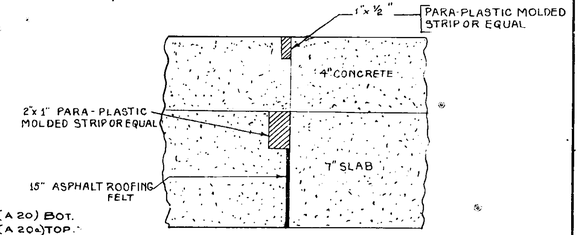
DETAIL OF FASCIA
SCALE 1 1/2" = 1'-0"

CONSTRUCTION PROCEDURE

1. SET ANCHOR-BOLTS BY MEANS OF TEMPLATE AND POUR SLAB.
2. MAKE TWO APPLICATIONS OF WATER-PROOFING OIL TREATMENT M41-W TO TOP OF SLAB.
3. THE TOP OF THE SLAB SHALL BE CONTINUOUSLY AND THOROUGHLY WETTED DOWN, AS DIRECTED BY THE ENGINEER FOR AT LEAST ONE HOUR, IMMEDIATELY PRIOR TO THE PLACING OF THE ROADWAY PAVEMENT.
4. POUR ROADWAY PAVEMENT.
5. PLACE LOWER NUTS ON UPPER END OF ANCHOR BOLTS
6. PLACE RAILING ON LOWER NUTS AND ADJUST TO LINE AND GRADE.
7. PLACE UPPER NUTS ON ANCHOR BOLTS TIGHTEN DOWN ON PLATES.
8. POUR SIDEWALK TO PROPER LINE AND GRADE



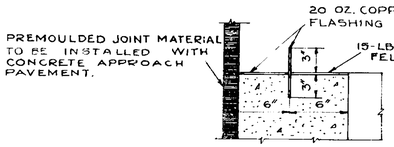
PLAN
SCALE 1" = 1'-0"



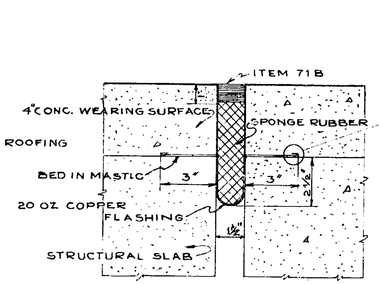
DETAIL OF JOINT OVER CENTER PIER
SCALE 3" = 1'-0"

NOTE:

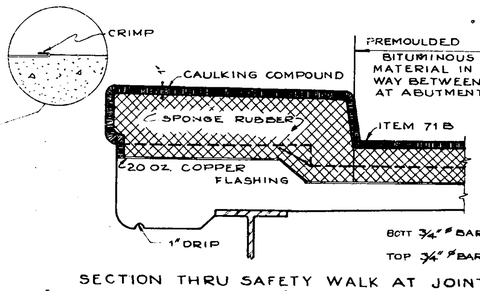
FLASHINGS OR WATERSTOPS ARE TO BE PROTECTED FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AS ORDERED BY THE ENGINEER. BENDING OR ALTERING THE SHAPE AS SHOWN IN ANY MANNER WILL NOT BE ALLOWED.



DETAIL B
SCALE 1 1/2" = 1'-0"



DETAIL OF JOINT OVER N-S PIERS
SCALE 3" = 1'-0"

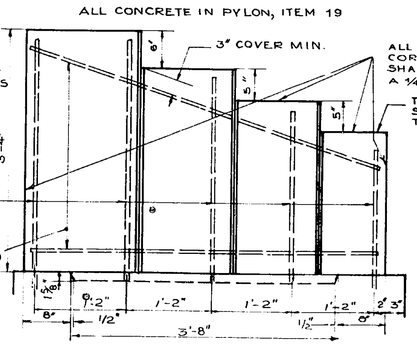


SECTION THRU SAFETY WALK AT JOINT
SCALE 1" = 1'-0"

NOTE:

SPONGE RUBBER SHALL COMPLY WITH THE REQUIREMENTS FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE, A.S.T.M. DESIGNATION D544.

ASPHALT ROOFING FELT SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF A.S.T.M., DESIGNATION D266.



ELEVATION OF PYLON
SCALE 1" = 1'-0"

PREPARED AND RECOMMENDED:

URQUHART & DOYLE, CONSULTING ENGINEERS — DATE Feb 16-53
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

SUPERSTRUCTURE DETAILS

KINNE STREET

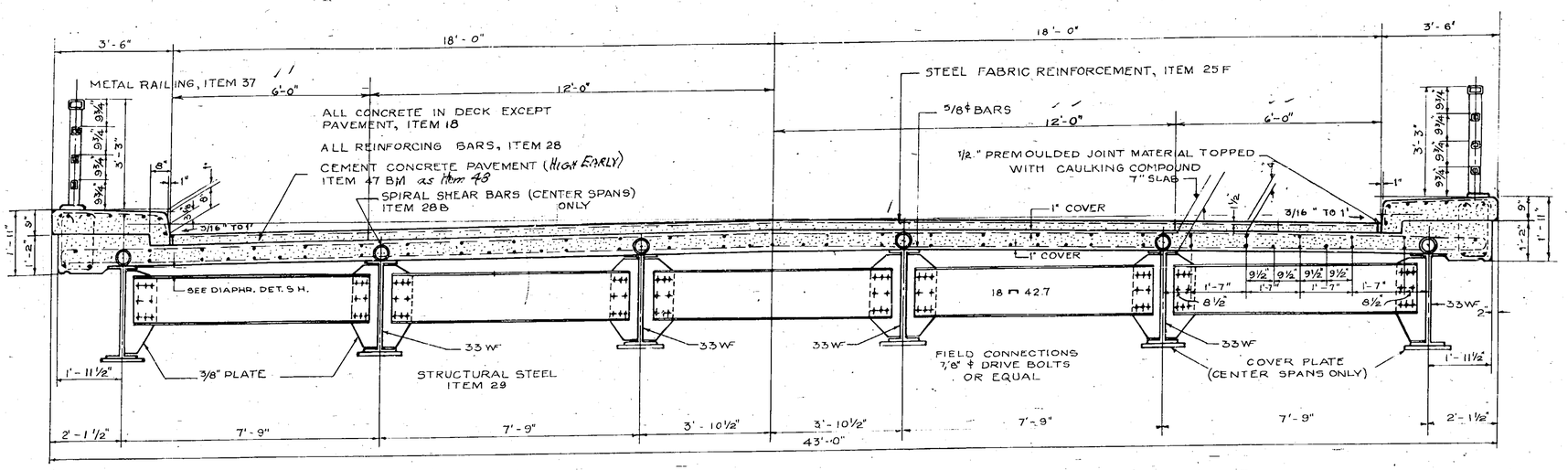
MOHAWK SECTION

NEW YORK STATE THRUWAY

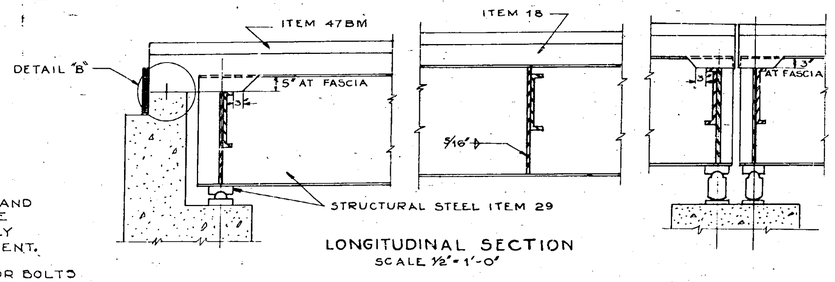
SHEET 64

COUNTY			SHEET NO	TOTAL SHEETS
ONONDAGA			64	66
N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 8B				
INTERCHANGE AT THOMPSON ROAD				

64R



TRANSVERSE SECTION
SCALE 1/2" = 1'-0"



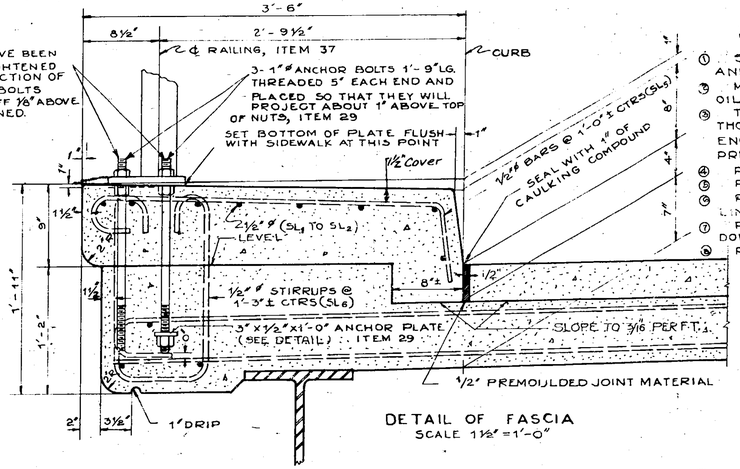
LONGITUDINAL SECTION
SCALE 1/2" = 1'-0"

NOTE:
ALL DIAPHRAGMS SET LEVEL. INTERMEDIATE DIAPHRAGMS PERPENDICULAR TO GIRDERS WITH TOPS 3" BELOW TOP OF FASCIA GIRDERS. TOPS OF END DIAPHRAGMS 8" BELOW TOP OF FASCIA GIRDERS.

NOTE:
IMMEDIATELY BEFORE PLACING CONCRETE PAVEMENT, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUOUSLY FOR ONE HOUR IF THE AIR TEMPERATURE IS ABOVE 50°F. COST OF SAME TO BE UNDER ITEM 1WA.

CEMENT IN ITEM 47BM TO BE PORTLAND CEMENT TYPE 1A, ITEM 15-8A.

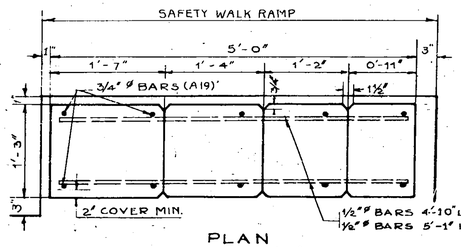
CEMENT IN ITEMS 18 & 19 TO BE 7 PARTS PORTLAND CEMENT TYPE 2, ITEM 15-2 AND ONE PART NATURAL CEMENT TYPE N - ITEM 15N.



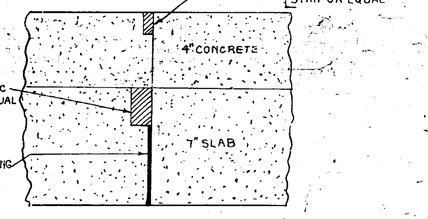
DETAIL OF FASCIA
SCALE 1½" = 1'-0"

CONSTRUCTION PROCEDURE

① SET ANCHOR BOLTS BY MEANS OF TEMPLATE AND POUR SLAB.
③ MAKE TWO APPLICATIONS OF WATER-PROOFING OIL TREATMENT M41-W TO TOP OF SLAB.
⑤ THE TOP OF THE SLAB SHALL BE CONTINUOUSLY AND THOROUGHLY WETTED DOWN, AS DIRECTED BY THE ENGINEER FOR AT LEAST ONE HOUR, IMMEDIATELY PRIOR TO THE PLACING OF THE ROADWAY PAVEMENT.
④ POUR ROADWAY PAVEMENT.
⑤ PLACE LOWER NUTS ON UPPER END OF ANCHOR BOLTS
⑥ PLACE RAILING ON LOWER NUTS AND ADJUST TO LINE AND GRADE.
⑦ PLACE UPPER NUTS ON ANCHOR BOLTS TIGHTEN DOWN ON PLATES.
⑧ POUR SIDEWALK TO PROPER LINE AND GRADE.

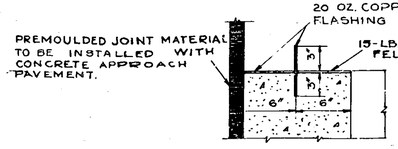


PLAN
SCALE 1" = 1'-0"

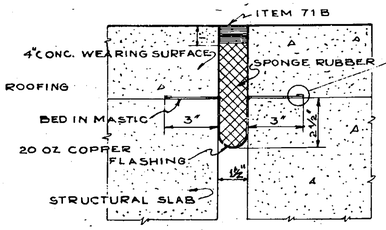


DETAIL OF JOINT OVER CENTER PIER
SCALE 3" = 1'-0"

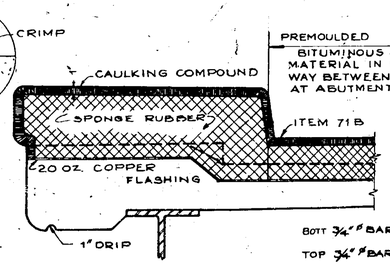
NOTE:
FLASHINGS OR WATERSTOPS ARE TO BE PROTECTED FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AS ORDERED BY THE ENGINEER. BENDING OR ALTERING THE SHAPE AS SHOWN IN ANY MANNER WILL NOT BE ALLOWED.



DETAIL B
SCALE 1½" = 1'-0"



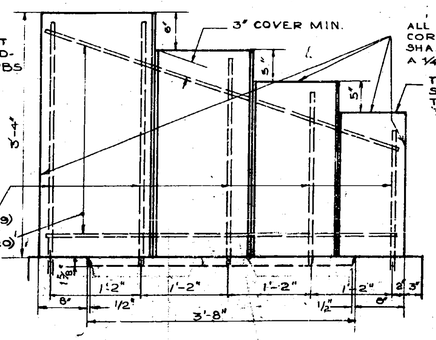
DETAIL OF JOINT OVER N-S PIERS
SCALE 3" = 1'-0"



SECTION THRU SAFETY WALK AT JOINT
SCALE 1" = 1'-0"

NOTE:
SPONGE RUBBER SHALL COMPLY WITH THE REQUIREMENTS FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE, A.S.T.M. DESIGNATION D544.
ASPHALT ROOFING FELT SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF A.S.T.M., DESIGNATION D266.

ALL CONCRETE IN PYLON, ITEM 19



ELEVATION OF PYLON
SCALE 1" = 1'-0"

BUILT ACCORDING TO PLAN

SUPERSTRUCTURE DETAILS

KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

SHEET 64

PREPARED AND RECOMMENDED:
URQUHART B. DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO 5667
DATE Feb 16-53

COUNTY			SHEET NO.	TOTAL SHEETS
ONONDAGA			65	66

N.Y. STATE THRUWAY, MOHAWK SECTION SUBDIV. 88
INTERCHANGE AT THOMPSON ROAD

SUPERSTRUCTURE · BAR LIST

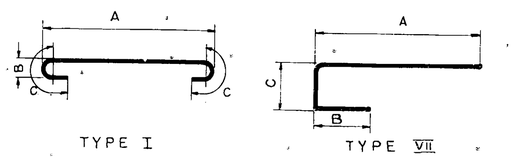
MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
L1 L6	5/8"	27 27	39-8	STR.				TOP OF DECK SLAB (LONG)
L1 L6		33 33	39-8					BOTTOM OF DECK SLAB "
L2		108	37-9					TOP OF DECK SLAB "
L2		156	37-9					BOTTOM OF DECK SLAB "
L3		486	43-8	I	42-5	0-5	0-10	TOP OF DECK SLAB (TRANS)
L4		486	42-5	STR.				BOTTOM OF DECK SLAB "
E1		32	26-0	III	22-2	0-0	3-10	TOP & BOTTOM DECK SLAB CORNERS
SL1	1/2"	32	39-6	STR.				SIDEWALKS END SPANS (LONG.)
SL2		64	37-6	"				SIDEWALKS CENTER SPANS "
SL5		448	4-6	XI				SIDEWALKS ALL SPANS (TRANS)
SL6		368	4-7	VI	0-10	0-3	1-7	SIDEWALKS ALL SPANS STIRRUPS
A20	3/4"	8	4-10	STR.				PYLONS
A20A		8	5-1					"

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION

SUBSTRUCTURE BAR LIST

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	LOCATION
AF1	3/4"	80	9-1	STR.				ABUT. FOOTINGS & BACKWALL
AF2		48	6-7					ABUT. FOOTINGS & BRIDGE SEATS
AF3		72	11-3					WINGWALLS
AF4		24	46-0					ABUT. FOOTINGS
AF5		48	17-0					WINGWALL FOOTINGS
AF6	1/2"	112	5-2					ABUT. & WINGFALL FOOTINGS
	L	L						
PF1	1"	108	8-0	II	7-0	0-8	1-4	PIER FOOTINGS
PF2	1/4"	32	11-2	I	8-8	0-10	1-8	" "
PF3		10	9-10	I	7-4	0-10	1-8	" "
PF4		48	10-6	I	8-0	0-10	1-8	" "
PF5		30	10-4	I	7-10	0-10	1-8	" "
A1	3/4"	16	45-6	STR.				ABUT. BACKWALLS
A2		12	18-1	VIII	15-0	2-6	0-7	" WINGWALLS
A2A		4	19-8	III	15-0	0-0	4-8	" "
A3		16	19-6	VIII	11-10	3-0	4-7	" "
A4	1/2"	48	3-6	VI	2-4	0-4	3-2	" BEARING SEATS
A19	3/4"	40	7-0	STR.				PYLON DOWELS
A6	1/2"	28	4-6	STR.				ABUTMENT WINGWALLS
A7		8	6-10					ABUTMENT WINGWALLS
A8		8	11-6					ABUTMENT WINGWALLS
P1	1"	36	14-11	STR.				NORTH PIER COLUMNS
P2	1"	36	18-7	STR.				CENTER " "
P3	1"	36	14-11	STR.				SOUTH " "
P4	1/4"	45	30-0	X	11-1	PITCH 3"		NORTH " " (SPIRALS)
P5	1/4"	45			14-9	"	"	CENTER " " "
P6	1/4"	45			11-1	"	"	SOUTH " " "
P7	1 1/4"	24	11-0	STR.				ALL PIER CAPS
P8		6	48-4	II	42-2	2-10		" " "
P8A		6	39-0	STR.				" " "
P9		12	29-9	IV	25-1	1-6	2-3	" " "
P10		12	30-9		26-1	1-6	2-3	" " "
P11		12	10-8		6-0	1-6	2-3	" " "
								" " "
P13	1/2"	72	1-6	STR.				PIER PADS
P14	1/2"	36	10-0	V	8-0	0-3	8-8	PIER PADS
P11	5/8"	36	20-8	STR.				PIER CAPS
P12	3/8"	30	10-5	VIII	3-0	3-0	4-5	PIER CAPS
P13	1/2"	168	13-8	V	2-1	0-3	3-8	
								BASED ON EST. LENGTHS:
PL1	3/4"	120	15-7	II	14-10	0-6	1-0	NORTH, SOUTH ABUT. (VERTICAL PILES)
PL1	3/4"	120	22-7	II	21-10	0-6	1-0	NORTH, SOUTH ABUT. (BATTER PILES)
PL1	3/4"	42	12-7	II	11-10	0-6	1-0	N-S PIERS (VERTICAL PILES)
PL1	3/4"	168	18-7	II	17-10	0-6	1-0	N-S PIERS (BATTER PILES)
PL1	3/4"	18	11-7	II	10-10	0-6	1-0	CENTER PIER. (VERTCAL PILES)
PL1	3/4"	108	16-7	II	15-10	0-6	1-0	CENTER PIER (BATTER PILES)
PL2	1/4"	1600	3-0	IX	0-8			ALL PILES (ASS. FOR 12" STR. PILES)

BAR DETAILS



ALL REINFORCING BARS, ITEM 28

BAR LIST

KINNE STREET
MOHAWK SECTION
NEW YORK STATE THRUWAY

PREPARED AND RECOMMENDED

URQUHART & DOYLE, CONSULTING ENGINEERS
NEW YORK STATE PROFESSIONAL ENGINEERS LICENSE NO. 5667

Feb 15-53
DATE

24:1

SCHEDULE A

QUANTITY AND QUANTITY OF PAYMENT ITEMS

ITEM NO.	DESCRIPTION	QUANTITY	REMARKS
	ELECTRONICS PARKWAY INTERCHANGE		
	B0+00-B1+06, B2+11-B2+62 L.R.	121 2129 Cu. Yds.	B RAMP
	B0+00-B1+06, B2+11-B2+62 L.R.	123 5.28 Acres	
	B0+00-B1+06, B2+11-B2+62 L.R.	124 475 Sq. Yds.	See Note A, Item 124, Schedule B
	B1+06 ~ B2+11 L.R.	121 400 Cu. Yds.	BRIDGE PORTION
	B1+06 ~ B2+11 L.R.	123 0.4 Acres	
	B1+06 ~ B2+11 L.R.	124 410 Sq. Yds.	See Note A, Item 124, Schedule B
	C 0+00 ~ C 26+35 L.R.	121 768 Cu. Yds.	C Ramp
	C 0+00 ~ C 26+35 L.R.	123 1.90 Acres	
	D 0+00 ~ D 27+27 L.R.	121 576 Cu. Yds.	D Ramp
	D 0+00 ~ D 27+27 L.R.	123 1.43 Acres	
	E 0+00 ~ E 23+13 L.R.	121 410 Cu. Yds.	E Ramp
	E 0+00 ~ E 23+13 L.R.	123 1.02 Acres	
	7TH NORTH STREET EXTENSION		
	3+00 ~ 20+75 L.R.	121 1015 Cu. Yds.	
	3+00 ~ 20+75 L.R.	123 2.52 Acres	
	8+50 ~ 14+50 L	124 209 Sq. Yds.	See Note E, Item 124, Schedule B
	THOMPSON ROAD RELOCATION		
	Circle ~ B 23+28 L.R.	121 813 Cu. Yds.	B Line (South)
	Circle ~ B 23+28 L.R.	123 1.95 Acres	
	Circle ~ B 23+28 L.R.	124 320 Sq. Yds.	See Note B, Item 124, Schedule B
	B 23+28 ~ B 26+40 L.R.	121 360 Cu. Yds.	BRIDGE PORTION
	B 23+28 ~ B 26+40 L.R.	123 0.35 Acres	
	B 23+28 ~ B 26+40 L.R.	124 400 Sq. Yds.	See Note B, Item 124, Schedule B
	B 26+40 ~ B 42+35 L.R.	121 757 Cu. Yds.	B LINE (North)
	B 26+40 ~ B 42+35 L.R.	123 1.81 Acres	
	B 26+40 ~ B 42+35 L.R.	124 317 Sq. Yds.	See Note B, Item 124, Schedule B
	THOMPSON ROAD INTERCHANGE		
	Circle ~ A 21+00 L.R.	121 463 Cu. Yds.	A Ramp (South of Thruway)
	Circle ~ A 21+00 L.R.	123 1.11 Acres	
	Circle ~ A 21+00 L.R.	124 172 Sq. Yds.	See Note C, Item 124, Schedule B
	A 21+04 ~ A 24+04 L.R.	121 360 Cu. Yds.	BRIDGE PORTION
	A 21+00 ~ A 24+04 L.R.	123 0.35 Acres	
	A 21+00 ~ A 24+04 L.R.	124 400 Sq. Yds.	See Note C, Item 124, Schedule B
	A 24+04 ~ A 45+00 L.R.	121 713 Cu. Yds.	A Ramp (North of Thruway)
	A 24+04 ~ A 45+00 L.R.	123 1.72 Acres	
	A 24+04 ~ A 45+00 L.R.	124 230 Sq. Yds.	See Note C, Item 124, Schedule B
	D 0+25 ~ D 18+47 L.R.	121 332 Cu. Yds.	D Ramp
	D 0+25 ~ D 18+47 L.R.	123 0.82 Acres	
	E 0+25 ~ E 10+68 L.R.	121 498 Cu. Yds.	E Ramp
	E 0+25 ~ E 10+68 L.R.	123 1.23 Acres	
	F 0+10 ~ F 19+46 L.R.	121 412 Cu. Yds.	F Ramp
	F 0+10 ~ F 19+46 L.R.	123 1.02 Acres	
	KINNE STREET		
	K 22+32 ~ K 33+06 L.R.	121 852 Cu. Yds.	
	K 22+32 ~ K 33+06 L.R.	123 2.02 Acres	
	K 22+32 ~ K 33+06 L.R.	124 430 Sq. Yds.	See Note D, Item 124, Schedule B
	K 33+06 ~ K 36+33 L.R.	121 360 Cu. Yds.	BRIDGE PORTION
	K 33+06 ~ K 36+33 L.R.	123 0.4 Acres	
	K 33+06 ~ K 36+33 L.R.	124 635 Sq. Yds.	See Note D, Item 124, Schedule B
	K 36+33 ~ K 46+33 L.R.	121 726 Cu. Yds.	
	K 36+33 ~ K 46+33 L.R.	123 1.72 Acres	
	K 36+33 ~ K 46+33 L.R.	124 396 Sq. Yds.	See Note D, Item 124, Schedule B
	COLLEGE PLACE		
	C 25+39 ~ C 26+89 L.R.	123 0.64 Acres	

Carlton J. Knapp L. J. Brown Carlton J. Knapp

SCHEDULE B

DETAIL SPECIFICATIONS TO ACCOMPANY PUBLIC WORKS SPECIFICATIONS

ITEM NO. | PAR. NO. | DESCRIPTION

1WA APPLYING WATER

a. AREAS ~ Sodded areas as shown under Item 124, Schedule A

RATES ~ When and as directed by the Engineer to supply sufficient water to prevent drying out of sod.

121 TOPSOIL PLACED FROM STOCKPILES

a. AREAS ~ See Schedule A. To be placed from pavement edge or edge of calcium treated shoulder as case may be, extending to toe of slope or top of cut or as directed by the Engineer.

STOCKPILES ~ Contractor shall secure the necessary amount from his strippings within the limits of the contract.

c. DEPTH OF TOPSOIL ~ 3 inches in place.

123 SEEDING

a. AREAS ~ See Schedule A and/or as directed by the Engineer

Previously established Thruway Turf Areas that are disturbed by the Contractor outside his contract limits will be reestablished to the satisfaction of the Engineer at no additional cost to the State.

b. MATERIALS
Seed ~ See Schedule D
Fertilizer ~ M55, Type No. 2 or equivalent to furnish a minimum of 80 lbs. of nitrogen by weight per acre.
Lime ~ M52 or M53
Mulch ~ M59 (Hay) or M60 (Straw)

c. CONSTRUCTION
Seeding Rate ~ 30 lbs. PLS per acre
Fertilizer Rate ~ 800 lbs. per acre minimum
Lime Rate ~ 2000 lbs per acre
Mulch Rate ~ 2 to 4 tons per acre
The mulch rate will depend on the method used for spreading. 2 Tons will generally be sufficient when spread by hand or blown by machine uncut. 4 Tons or more may be required when the mulch is cut fine. The intent is to provide an adequate protective cover until turf is established.

No seeding will be permitted between July 15 and August 15 without special permission.

124 SODDING

a. AREAS ~ See Schedule A and/or as directed by the Engineer.

b. MATERIALS ~ Sod, M64, Type No. 1, 1½" thick.

c. CONSTRUCTION ~ Sod will be laid as shown on Std. Sheet 650-34, the applicable bridge sheets and/or as directed by the Engineer. Sod strips will be 2 feet wide, laid on the contour on 10 foot centers; sod gutters will be 3 feet wide, vertical gutters to be at right angle to sod strips and laid on 25 foot centers, or as directed by the Engineer to meet field conditions.

NOTE A ~ ELECTRONICS INTERCHANGE BRIDGE ~ Vertical Sod Gutters are estimated at the following stations (both sides) ~ B 17+13, B 17+63, B 17+88, B 18+13, B 18+38, B 20+79, B 21+04, B 21+29, B 21+54, B 22+05, B 22+54, B 23+04. Horizontal sod gutters start at B 17+13 and end of B 23+04. Sod strips (3 each side) start at B 17+63 and end at B 21+54.

NOTE B ~ THOMPSON ROAD BRIDGE: Vertical Sod Gutters are estimated at the following stations on side indicated:
21+32(R) 21+49(L) 21+82(R) 21+98(L) 22+32(R) 22+43(L)
22+82(R) 22+93(L) 23+07(R) 23+18(L) 23+32(R)
23+43(L) 23+57(R) 23+68(L) 26+00(R) 26+12(L)
26+25(R) 26+37(L) 26+50(R) 26+62(L) 26+75(R) 26+87(L)
27+25(R) 27+37(L) 27+75(R) 27+87(L) 28+25(R) 28+37(L)
Horizontal Sod Gutters start at 21+32 end of 28+25(R) and 21+43 ~ 28+37(L) Sod Strips (4 each side) start at

SCHEDULE C

DETAIL SPECIFICATIONS FOR PLANTS

ITEM & SUB ITEM	QUANTITIES & SPECIES	ABBR.	COMMON NAME	SIZE	REMARKS

SUMMARY ~ NEAT & ROUNDED QUANTITIES

ITEM / UNIT	121 Cubic Yards Neat	121 Cubic Yards Round	123 Acres Neat	123 Acres Round	124 Square Yards Neat	124 Square Yards Round	1WA M Gal.
ELECTRONICS PARKWAY INTERCHANGE							
ELECTRONICS INTERCHANGE							
RAMPS	3883	3900	9.63	9.8	475	500	6.0
BRIDGE PORTION	400	450	0.4	0.6	410	450	
SEVENTH NORTH ST. EXT.	1015	1050	2.52	2.6	209	250	2.0
ELECTRONICS PKWY TOTAL	5298	5400	12.55	13.0	1094	1200	8.0
THOMPSON ROAD INTERCHANGE AND CONNECTIONS							
THOMPSON RD "B" LINE							
APPROACHES	1570	1600	3.76	4.0	637	680	6.5
BRIDGE PORTION	360	380	0.35	0.4	400	420	
INTERCHANGE							
RAMPS	2418	2460	5.90	6.0	402	430	5.0
BRIDGE PORTION	360	380	0.35	0.4	400	420	
KINNE STREET							
APPROACHES	1578	1600	3.74	4.0	826	880	9.5
BRIDGE PORTION	360	380	0.40	0.5	635	670	
COLLEGE PLACE "C" LINE			0.64	0.7			
THOMPSON ROAD TOTALS	6646	6800	15.14	16.00	3300	3500	21.0
GRAND TOTALS	11944	12200	27.69	29.0	4394	4700	29.0

NOTE B (Continued) 22+82 end at 26+75(R) and 22+93 to 26+87(L)

NOTE C ~ THOMPSON ROAD INTERCHANGE BRIDGE ~ Vertical Sod Gutters are estimated at the following stations, 20+09, 20+59, 20+84, 21+09, 21+34, 23+68, 23+93, 24+18, 24+43, 24+93 and 25+43. Horizontal Sod Gutters start at 20+09 to 25+43 Sod strips (3 each side) start at 20+59 to 24+43.

NOTE D ~ KINNE STREET BRIDGE ~ Vertical sod gutters are estimated at the following stations, 30+62, 31+12, 31+62, 32+12, 32+62, 32+87, 33+12, 33+37, 35+97, 36+23, 36+47, 36+72, 37+22, 37+72, 38+22, 38+72. Horizontal sod gutters start at 30+62, and end of 38+72. Sod strips (4 each side) start at 32+62 to 36+72.

NOTE E ~ 7TH NORTH STREET EXTENSION ~ A Sodded Berm Gutter will be constructed as shown on the plans at top of cut on left from Station 8+50 to Station 14+53. Two vertical sod gutters will connect the berm gutter with concrete ditch gutter at stations 12+00 and 14+50. All gutters to be 3 feet wide.

66 66

ROADSIDE DEVELOPMENT

N.Y. STATE THRUWAY ~ ONTARIO SECT. 2N ~ SUB DIV. 8A
INTERCHANGE AT ELECTRONICS PARKWAY (HOPKINS ROAD)
N.Y. STATE THRUWAY ~ MOHAWK SECTION SUB DIV. 8B.
INTERCHANGE AT THOMPSON ROAD.

SCHEDULE D

DETAIL SPECIFICATIONS FOR PLANTS

RED FESCUE (Festuca rubra)	Commercial	95	75	25
CANADA BLUEGRASS (Poa compressa)	Commercial	80	80	10
COMMON RYEGRASS (Lolium perenne)	Commercial	95	75	10
ALSIKE CLOVER (Trifolium hybridum 30% hard seed	Commercial-Max.	95	85	3
LADINO CLOVER (Trifolium repens var.) 30% hard seed	Commercial-Max.	95	90	2
	TOTAL PLS			50

Plus one of the following according to season.

If seeding is done between April 1 & July 15 use—

COMMON OATS (Avena sativa) — Mohawk, Clinton 95 90 — 2 bu. lbs. per acre gross

If seeding is done between August 15 & April 1 use

WINTER RYE (Secale cereale) — Commercial 95 90 — 32 lbs. per acre gross

1WA 29 M Gal. APPLYING WATER

121 12,200 Cu. Yds. TOPSOIL PLACED FROM STOCKPILES

123 29 Acres SEEDING

124 4700 Sq. Yd. SODDING