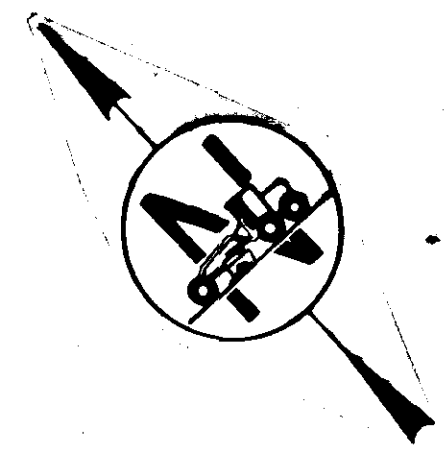


KEY MAP

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

PLAN AND PROFILE PROPOSED HIGHWAY PROJECT

DOUGLAS HIGHWAY (THIRD STREET)
GASTINEAU GRADE SCHOOL TO
ST. ANN'S AVENUE
F-M-0958(5) 61308
&
DOUGLAS HIGHWAY SEALCOAT
69257



SHEET NO.	INDEX
1	TITLE SHEET
2	TYPICAL SECTION, DETAILS, ESTIMATE OF QUANTITIES, SUMMARY TABLES
3	TRAFFIC CONTROL NOTES, TRANSITION DETAILS
4	SEAL COAT-TYPICALS & DETAILS

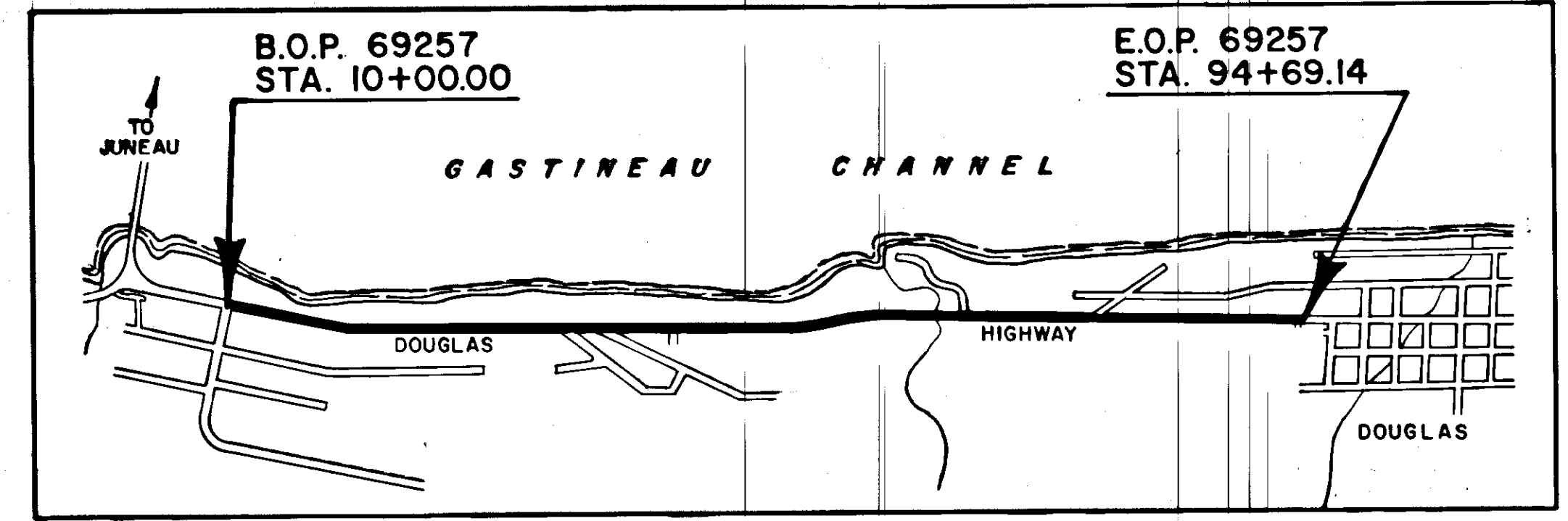
THE FOLLOWING STANDARD DRAWINGS SHALL APPLY TO THIS PROJECT: A-1, C-01.02, C-02.00, C-03.01, C-04.00, D-23.00

**69257
PROJECT SUMMARY**

STA. 10+00.00 to 94+69.14
WIDTH OF SEAL COAT = 24.0'
LENGTH OF SEAL COAT = 8469.14' = 1.60 mi.

"No Change in Length"
F-M-0958(5)
PROJECT SUMMARY

STA. 94+69.14 TO 114+50.00
WIDTH OF OVERLAY = 41'
LENGTH OF OVERLAY = 1980.86' = .38 mi.



DESIGN DESIGNATIONS

AREA AT GASTINEAU SCHOOL

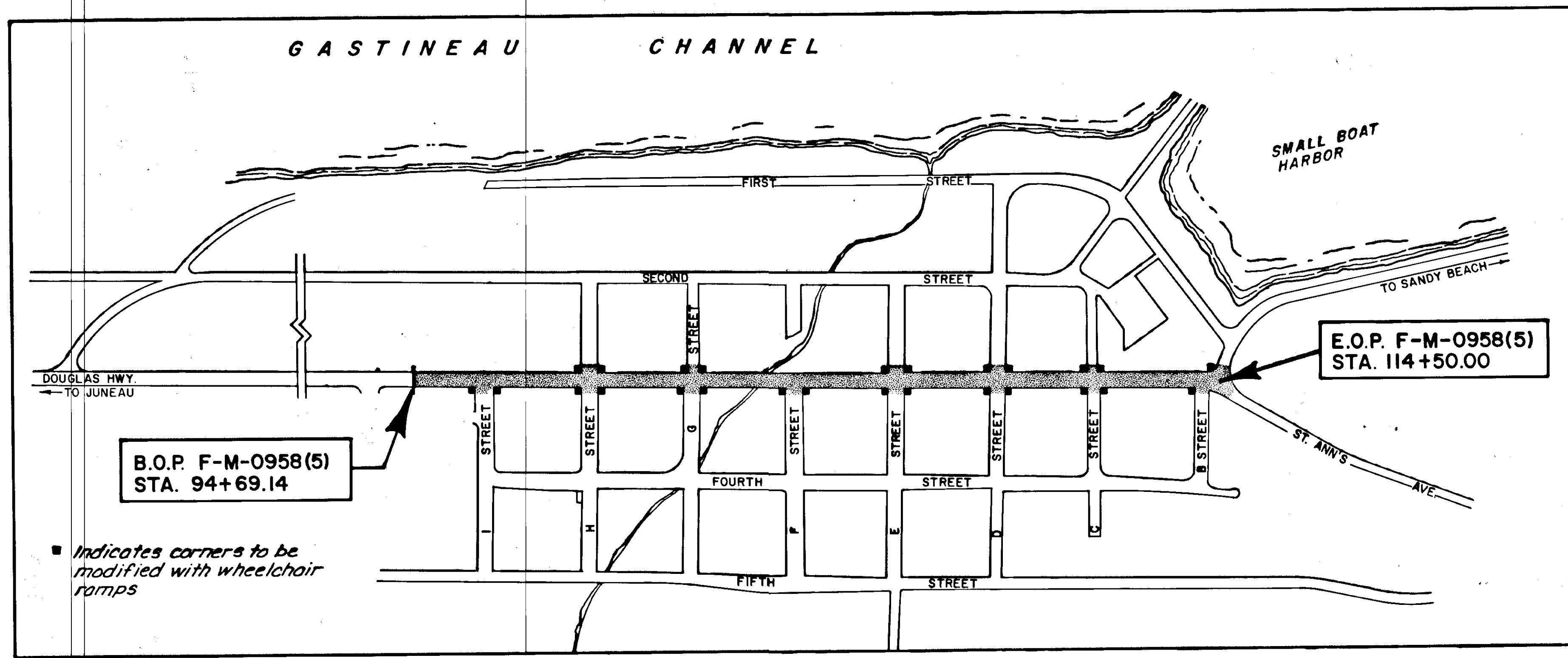
ADT 1986.....	4657
ADT 2007.....	5682
DHV.....	795
%T.....	.3%
T.I.....	.75

AREA AT A.D.O.T./P.F.

ADT 1986.....	2578
ADT 2007.....	3146
DHV.....	440
%T.....	.3.0%
T.I.....	.7.0

DESIGN SPEED

STA. 94+69.14 TO STA. 114+50.00 = 30mph



"AS-BUILT"

contractor: Associated Sand and Gravel Co., Inc.
Project Engineer: Phil Speer
Construction Began: June 4, 1987
Construction Completed: July 10, 1987

Shilly R. Speer 9/23/87

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
Wallace K. Williams Date 9/17/86
CHIEF ENGINEER, S.E. REGION DESIGN

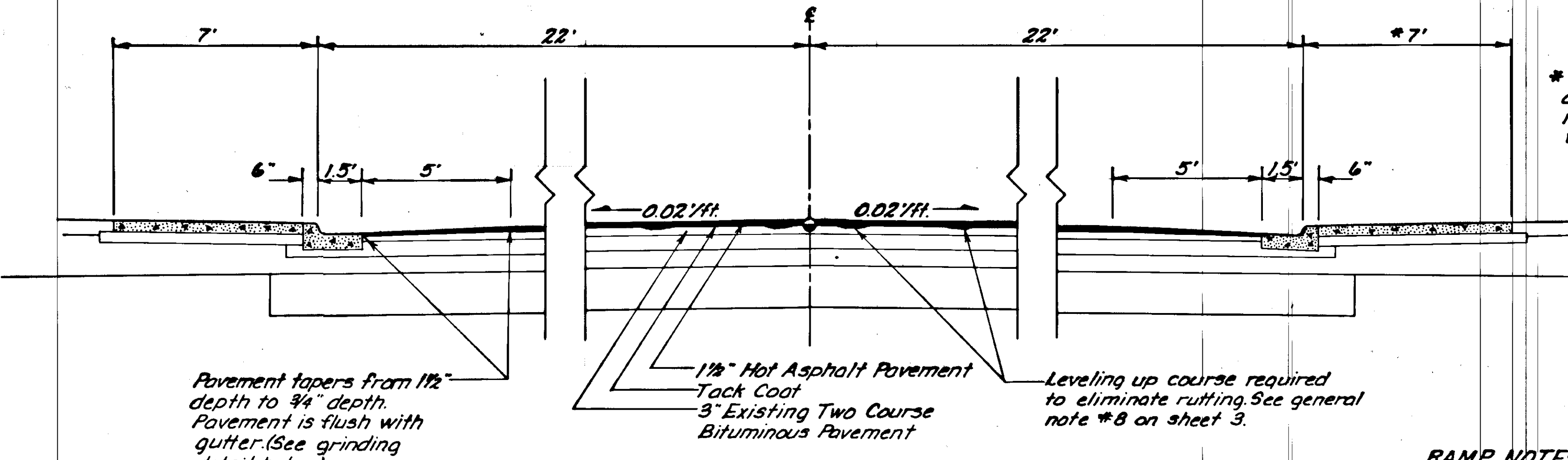
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
DD Dickman Date 9/17/86
DIRECTOR, S.E. REGION DESIGN & CONSTRUCTION

ESTIMATE OF QUANTITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	F-M-0958(5)	1986	2	4

ITEM NO.	ITEM	UNIT	QUANTITY
109(2)	DBE & MBE Adjustment	C.S.	All Required
110(2)	Mobilization and Demobilization	L.S.	All Required
111(1)	Temporary Erosion and Pollution Control	C.S.	All Required
113(1)	Flagging	M.H.	-13+ 154.5
114(1)	Construction Surveying by the Contractor	L.S.	All Required
115(1)	Traffic Maintenance	L.S.	All Required
115(2)	Construction Signs	Sq. Ft.	-398- 356
115(3)	Temporary Pavement Markings	L.S.	All Required
203(1)	Common Excavation	C.Y.	-206- 239.4
301(1)	Crushed Aggregate Base Course	Ton	-264- 303.1
401(1)	Asphalt Concrete, Type II	Ton	912- 1092.14
401(2)	Asphalt Cement, AC-5	Ton	-59- 64.63
402(1)	CSS-1 Asphalt for Tack Coat	Ton	-5.4- 3.11
406(1)	Asphalt Grinding	S.Y.	45.4- 2236.7
407(1)	Raised Pavement Markers	L.S.	All Required
604(4)	Adjust Existing Manholes	Each	-19- 10
608(4)	Wheelchair Ramps	Each	-26- 24
614(3)	Adjust Existing Monuments and Cases	Each	3
615(1)	Standard Signs	S.F.	99.6- 159.25
628(1)	Adjustment of Valve Box	Each	-20- 17
670(1)	Painted Traffic Markings	L.S.	All Required



* Between F Street and E Street the right sidewalk width varies.

BASIS OF ESTIMATE

ITEM NO.	ESTIMATING FACTOR
401(1)	114 lbs./sq. yd. / inch depth
401(2)	6.5% of Item 401(1)
402(1)	0.1 gal./sq. yd., 253 gal./ton at 60°F
301(2)	1.92 Tons/C.Y.

ADJUST MONUMENTS

STATION	OFFSET
97+24.80	6
101+70.54	6
114+50.00	6

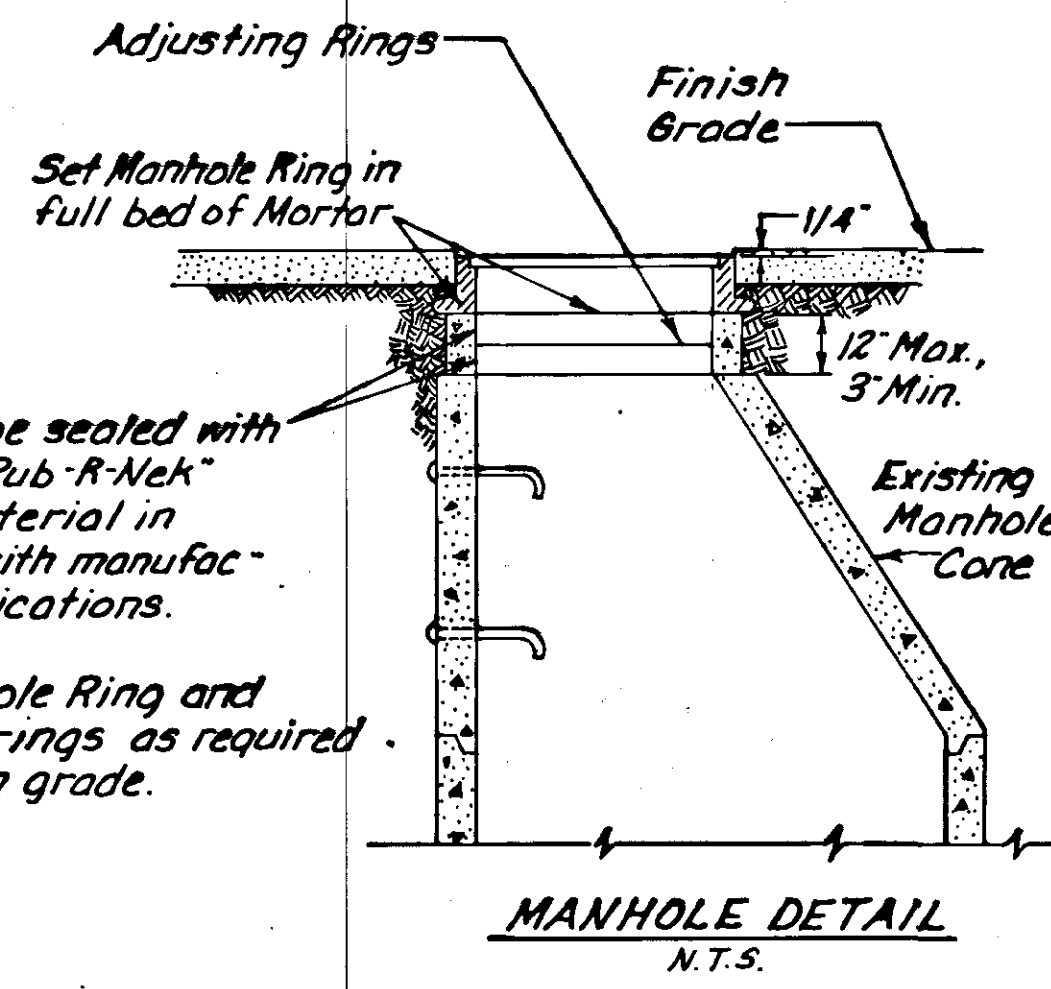
MANHOLE ADJUSTMENT SUMMARY

STATION	OFFSET		STATION	OFFSET	
	LT.	RT.		LT.	RT.
96+80.00		15'	106+71.00	1'	
96+90.00		2'	109+10.00		15'
99+15.00		15'	109+24.00		1'
99+25.00	1'		111+60.00		15'
101+71.00		15'	111+70.00		2'
101+81.00	2'		114+10.00		15'
103+89.00	6'		114+21.00		2'
104+20.00	4'		114+73.00		9'
104+35.00		5'	115+00.00		15'
106+60.00		15'			

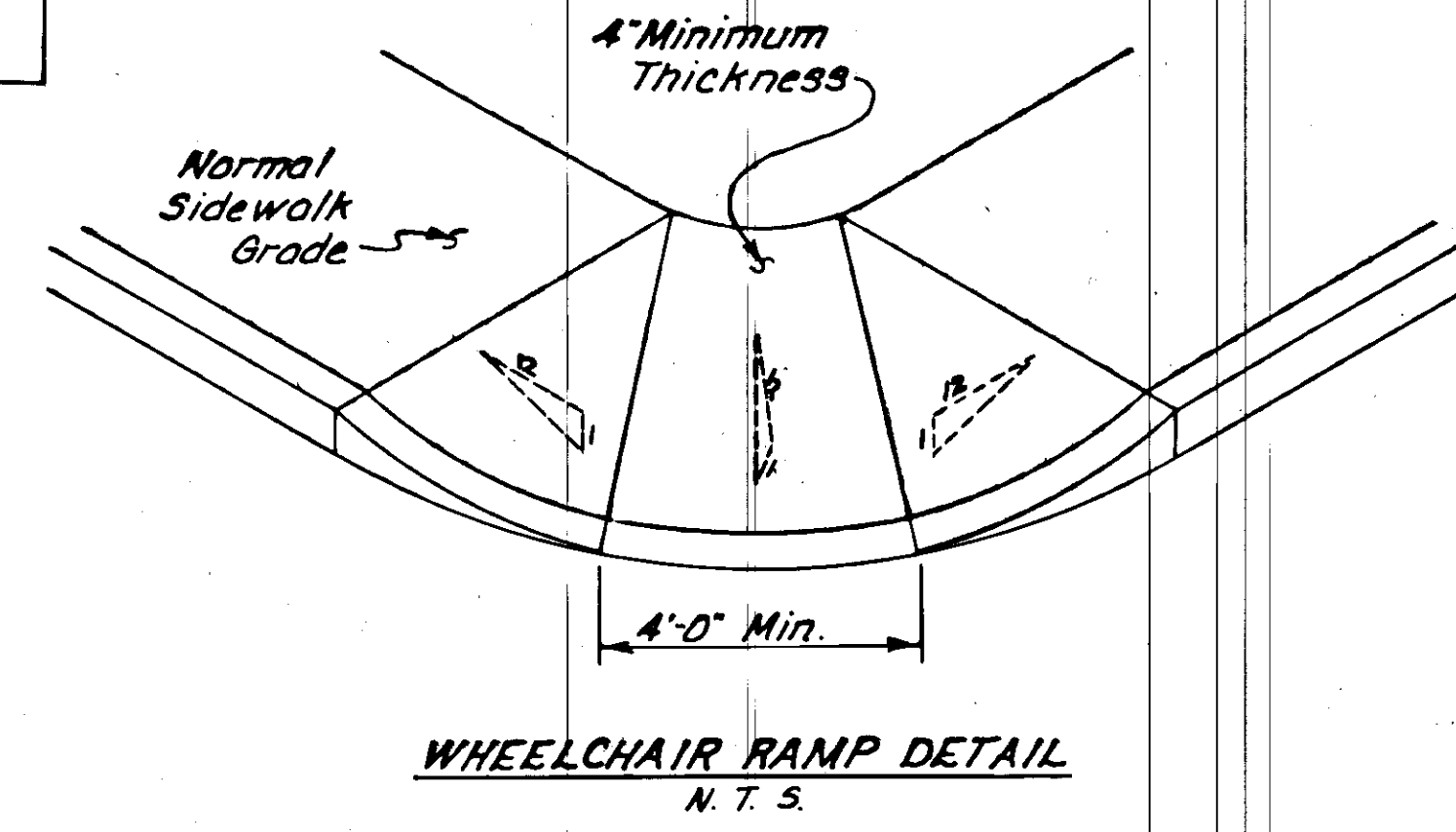
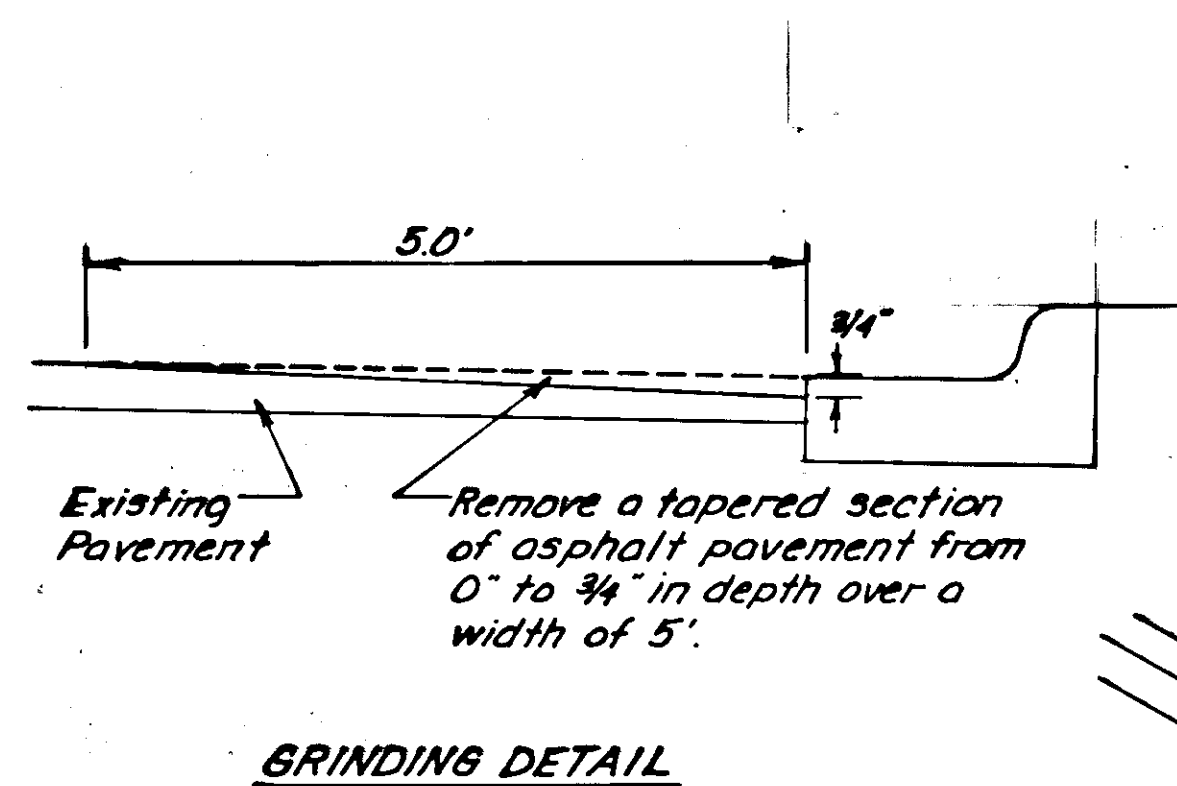
WATER VALVE ADJUSTMENT SUMMARY

STATION	OFFSET		STATION	OFFSET	
	LT.	RT.		LT.	RT.
95+12.87		15.4'	104+31.70	4.3'	
95+14.33	10.9'		105+75.64	1.4'	
96+73.81		16.0'	106+46.30	2.4'	
96+82.52		15.9'	106+60.11	1.0'	
99+19.47		4.0'	109+28.43	27.8'	
99+31.30	27.3'		109+28.81		11.4'
99+42.63		2.8'	109+45.69		2.1'
104+26.82	10.7'		111+48.14		1.4'
104+29.53	7.7'		113+82.16		1.9'
104+29.88		1.9'	114+27.77		28.6'
			106+92.00	2.0'	

NOTES: All joints to be sealed with "Rom-Nek" or "Rub-R-Nek" gasketing material in accordance with manufacturer's specifications.
Remove Manhole Ring and add precast rings as required to meet finish grade.



TYPICAL SECTION OF IMPROVEMENT STA. 94+69.14 TO STA. 114+50.00



- ### RAMP NOTES
1. Curb and Gutter expansion joints shall be located at each curb cut. Sidewalk expansion joints shall be opposite expansion joints in adjoining curb and gutter.
 2. Ramp slopes shall not be steeper than 1:12.

SIGNING SCHEDULE

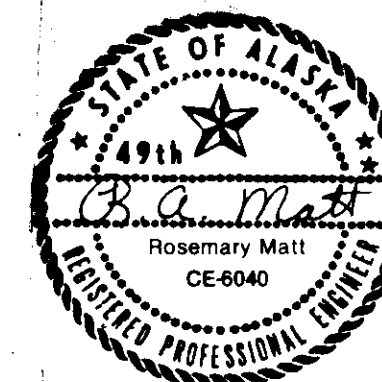
STATION	OFFSET		MUTCD NO.	LEGEND	SIZE	AREA SQ. FT.
	LT.	RT.				
96+26.00		29'	S2-1	School Crossing	36"x36"	9.00
96+93.00		33'	R1-1	STOP	30" x 30"	2.25
96+95.00		27'	S2-1	School Crossing	36"x36"	9.00
98+97.00		33'	R1-1	STOP	30" x 30"	2.25
99+43.00		33'	R1-1	STOP	30" x 30"	2.25
99+56.00		2.4'	S5-1	School Speed Limit-20 When Flashing	24"x48"	8.00
99+96.00		2.8'	R2-1	Speed Limit - 30	30" x 36"	5.00
101+50.00		33'	R1-1	STOP	30" x 30"	2.25
101+90.00		33'	R1-1	STOP	30" x 30"	2.25
102+08.00		29'	S2-1	School Crossing - Advance	36"x36"	9.00
104+43.00		33'	R1-1	STOP	30" x 30"	2.25
* 105+51.00		29'	S1-1	School Advance	36" x 36"	9.00
106+48.00		33'	R1-1	STOP	30" x 30"	2.25
106+93.00		33'	R1-1	STOP	30" x 30"	2.25
108+98.00		33'	R1-1	STOP	30" x 30"	2.25
109+43.00		33'	R1-1	STOP	30" x 30"	2.25
111+50.00		28'	R6-1L	One Way	36"x12"	3.00
111+50.00		28'	R6-1R	One Way	36"x12"	3.00
111+90.00		33'	R1-1	STOP	30" x 30"	2.25
112+95.00		30'	W13-1	20 MPH	24"x24"	4.00
112+95.00		30'	W12-2R		36" x 36"	6.25
113+80.00		30'	R2-1	Speed Limit 30	30" x 36"	5.00
114+40.00		33'	R1-1	STOP	30" x 30"	2.25
114+43.00		33'	R1-1	STOP	30" x 30"	2.25

* Sign post needs to be reset.

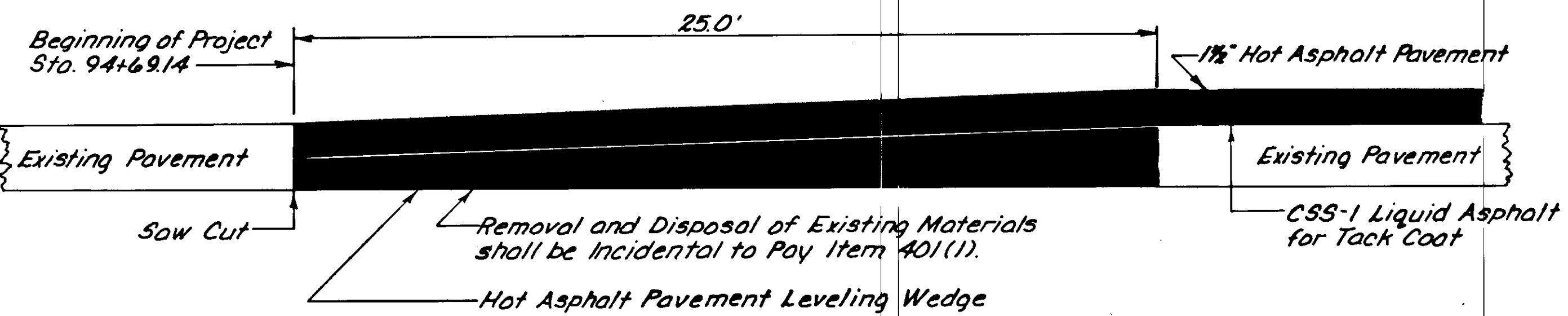
FAILED PAVEMENT REMOVAL

BEGIN STATION	END STATION	FROM	TO	BEGIN STATION	END STATION	FROM	TO
94+69.14	96+32.00	8' Rt.	14' Rt.	108+65.50	108+71.50	20.5' Lt.	20.5' Rt.
94+87.50	95+27.60	6	8' Lt.	109+22.00	109+32.00	6	6' Lt.
96+67.00	96+73.00	6	20.5' Lt.	109+66.50	109+72.50	9' Lt.	14' Rt.
97+72.00	97+78.00	20.5' Lt.	20.5' Rt.	110+06.50	110+12.50	6	20.5' Lt.
98+42.00	98+83.00	6	6' Lt.	110+04.00	110+27.00	6	6' Rt.
98+80.00	98+86.00	14' Lt.	20.5' Rt.	110+12.50	110+18.50	6	20.5' Rt.
99+20.50	101+70.50	8' Rt.	14' Rt.	111+26.50	111+32.50	9' Lt.	10' Rt.
99+44.00	99+65.00	6	6' Lt.	111+41.50	111+60.50	1' Lt.	5' Rt.
100+32.00	100+38.00	14' Lt.	20.5' Rt.	111+73.50	111+95.50	6' Rt.	12' Rt.
101+20.50	101+26.50	20.5' Lt.	20.5' Rt.	112+36.50	112+42.50	20.5' Lt.	20.5' Rt.
101+28.00	101+34.00	6	20.5' Rt.	112+57.50	113+37.50	1' Lt.	5' Rt.
103+60.50	103+91.50	6' Lt.	12' Lt.	112+95.00	113+01.00	8' Lt.	20.5' Lt.
103+68.50	103+74.50	5' Rt.	20.5' Rt.	113+82.00	113+94.00	7' Rt.	13' Rt.
103+81.50	103+87.50	20.5' Lt.	20.5' Rt.				
104+35.00	104+50.50	7' Rt.	13' Rt.				
106+24.50	106+39.50	20.5' Lt.	20.5' Rt.				

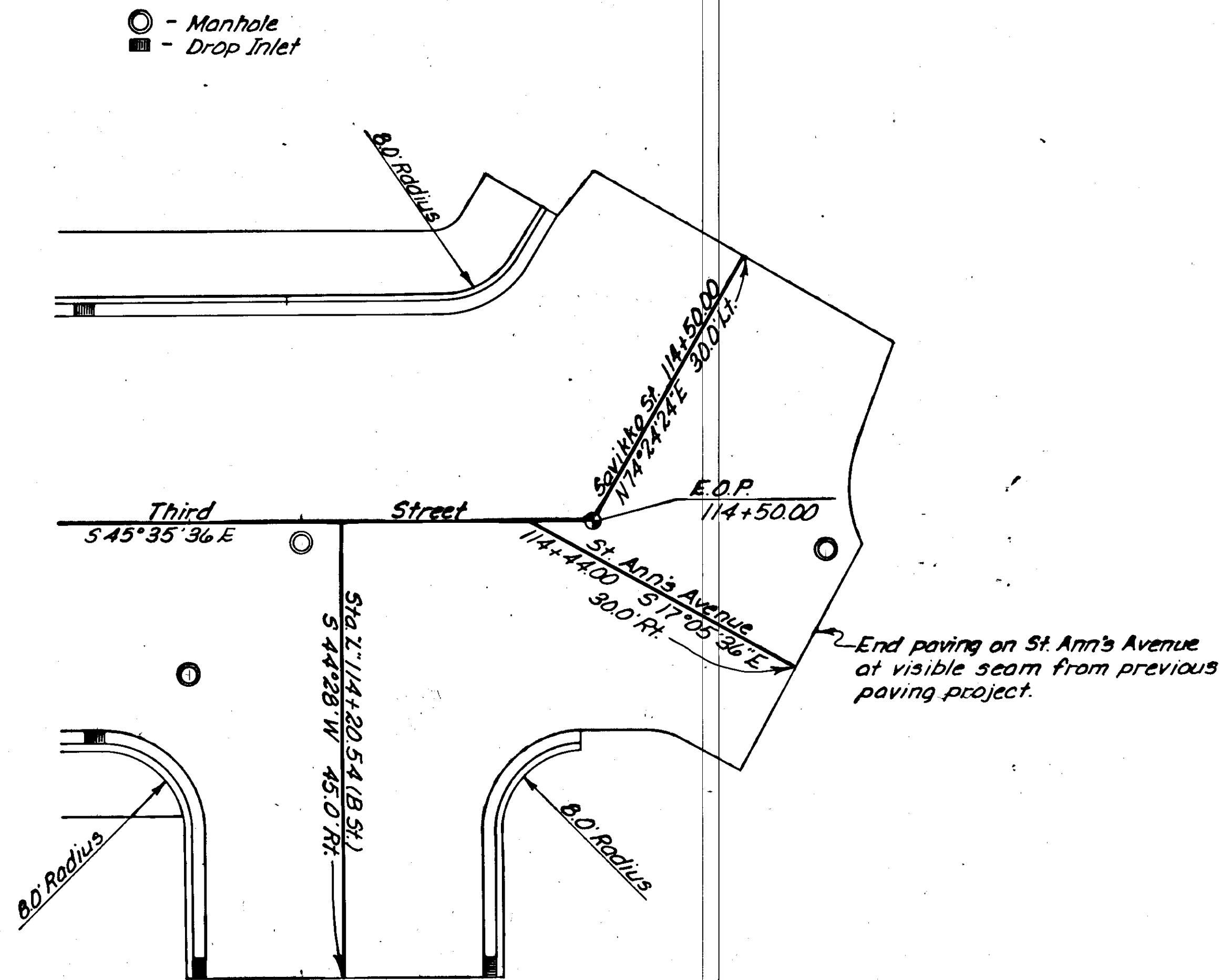
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B.O.P. PAVEMENT TRANSITION DETAIL (N.T.S.)



E.O.P. PAVING LIMIT DETAIL (1"=10')



GENERAL NOTES

- Saw cuts for pavement transitions and removal and disposal of existing asphalt for the transitions shall be incidental to Item 401(1) and shall not be paid for directly.
- Paving limits for intersecting streets are 45' left or right of centerline. The exception to this is the end of project which is depicted in detail on this sheet. Taper last 5' from depth of 1 1/2" to existing surface on all intersecting streets.
- Taper asphalt around storm drains to facilitate drainage.
- Peak traffic hours are 7:00 AM to 8:30 AM and 4:00 PM-5:30 PM, Monday thru Friday.
- Adjust curb box and inlet frame as required in two locations:
A. Northwest corner of Third Street and I Street (Sta. 96+41.07 - 21.5' Rt.)
B. Northwest corner of Third Street and E Street (Sta. 106+41.50 - 21.5' Rt.)
Curb boxes shall be flush with curb. This work shall be considered incidental to Item 608(4). No additional payment shall be made for this work.
- Sign post at Sta. 105+51.00 - 29.0' Lt. needs to be reset. This work shall be considered incidental to Item 615(1). No additional payment will be made for this work.
- Monument case at Station 101+70.54 is loose and needs to be reset. This work shall be incidental to 614(3). No additional payment shall be made for this work.
- A leveling course to remove rutting shall be applied by tight screeding the two 12' driving lanes. This shall be done prior to full thickness paving.
- Areas designated in table on sheet 2 as failed pavement shall be saw cut. 3" of pavement and 6" base material shall be removed. Disposal of material is the Contractor's responsibility and shall be incidental to 203(1). The Contractor shall replace base material per Section 301 and asphalt concrete per Section 401.

CONSTRUCTION SIGNS

MUTCD NO.	LEGEND	SIZE	NO.	AREA SF.
CW20-1F	Road Construction Ahead	48"x48"	16	256
CW20-1E	Road Construction 1500 Ft.	48"x48"	3	48
CW20-4B	One Lane Road 1000 Ft.	48"x48"	2	32
CW20-7A	Flagman Advance Symbol 500 Ft.	48"x48"	2	32
G20-2	End Construction	24"x60"	3	30
			TOTAL	398

HORIZONTAL CONTROL

Basis of bearing is based on the 1967 as-built bearing between center line monuments at the intersections of Third St. and H St. (Sta. 97+27.8) and of Third St. and G St. (Sta. 101+70.54). The bearing is 5 44° 50' 36" E.

TRAFFIC CONTROL NOTES

- The Traffic Control Plan (T.C.P.) shall be used in conjunction with and in addition to the Standard Drawings, the Standard and Special Provisions, the Alaska Traffic Manual, and current industry standards for safe and effective operation.
- The Contractor shall use the following T.C.P. during the construction of this project. The Contractor may submit a T.C.P. of his own, however, any changes to this T.C.P. will require written approval of the Engineer prior to the beginning of any construction.
- The Contractor shall keep the public advised of his construction activities through use of the local news media. Advance notice of all road closures shall be published in the local newspaper and broadcasted over all local radio and TV stations 3 days prior to the closure.
- Prior to closing a lane or street to vehicle traffic, the Contractor shall have notified the following agencies and received written approvals:
1. State Troopers
2. Chief of Police
3. Fire Chief
- Road construction signs shall be posted on all side streets leading to the project.
- Paving can be accomplished with one lane open at all times.
- All flagging required within the project limits will be paid for under Item 113(1), Flagging.
- All work involved with the installation, removal, and maintenance of construction signs shall be paid for under Bid Item 115(2) Construction Signs.
- Signs for detour areas shall be of a portable nature and shall be moved as required to maintain their proper spacing.
- Signs shall be in place only when the conditions they warn about exist.
- See Standard Drawings, C-01.02, C-02.00 and C-03.01 for construction zone flagging, signs, and channelization devices.
- Existing striping shall be referenced and repainted as currently striped. This shall be paid for under Item 670(1).
- Thermoplastic striping shall be used for the crosswalks. The only crosswalks that are required to be marked are those in the immediate vicinity of Gastineau School.
- Temporary striping is required per Section 115-3.04.

STATIONING OF INTERSECTIONS

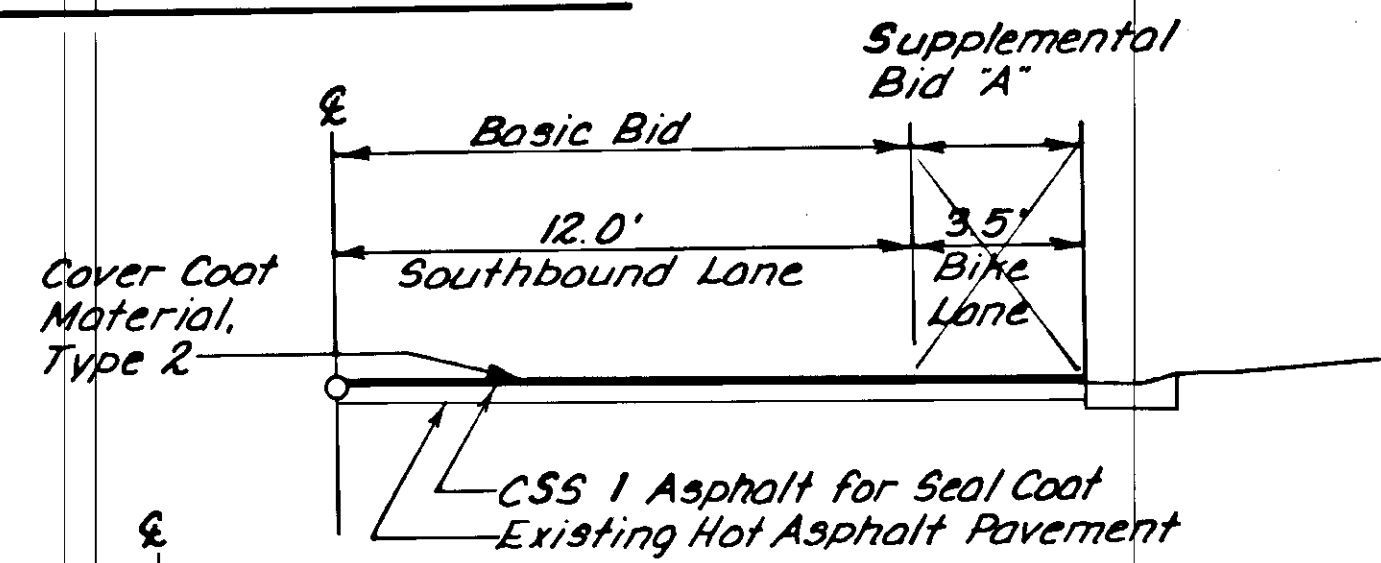
STREET	OFFSET		STATION
	LEFT	RIGHT	
I Street		X	96+70.00
H Street	X	X	99+20.52
G Street	X	X	101+70.54
F Street		X	104+20.54
E Street	X	X	106+70.54
D Street	X	X	109+20.54
C Street		X	111+70.54
B Street	X		111+71.69
B Street		X	114+20.54

9/23/87

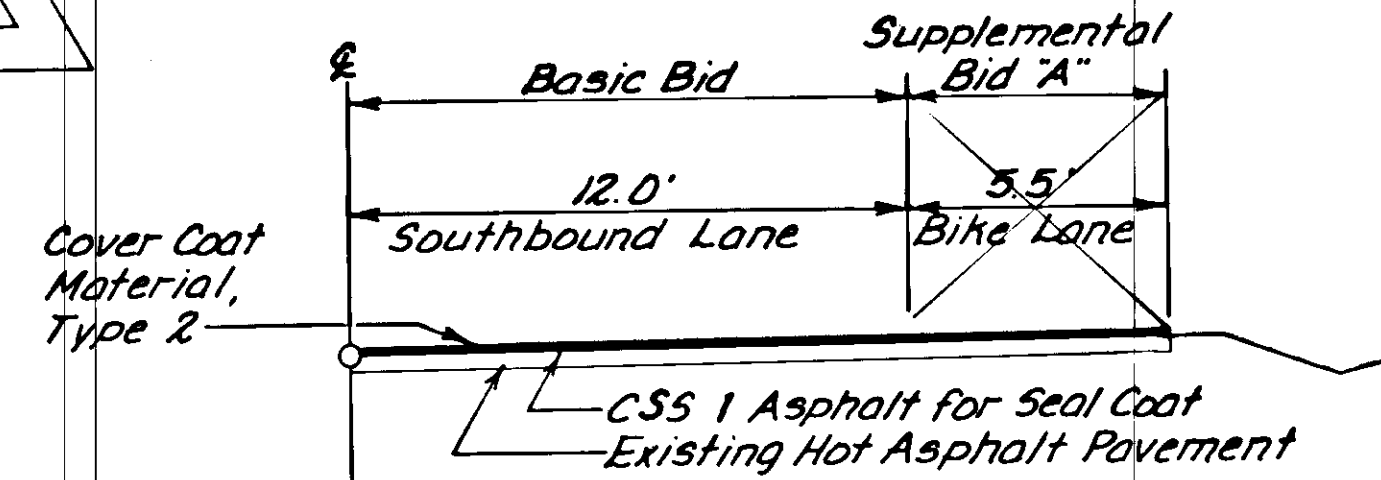


TYPICAL SECTIONS OF IMPROVEMENT

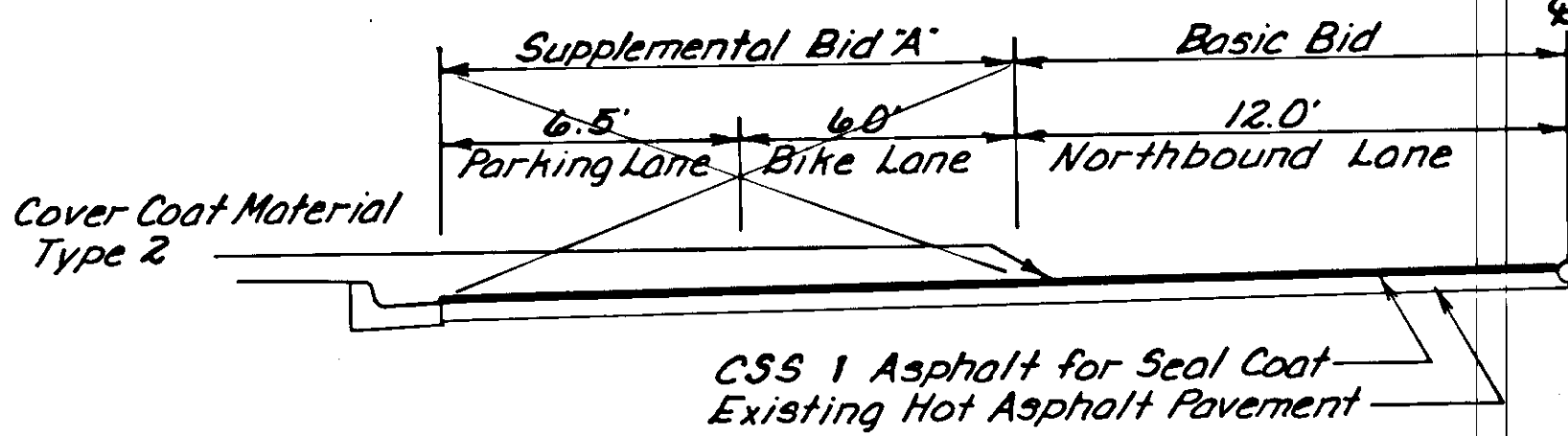
(1" = 40'-0")



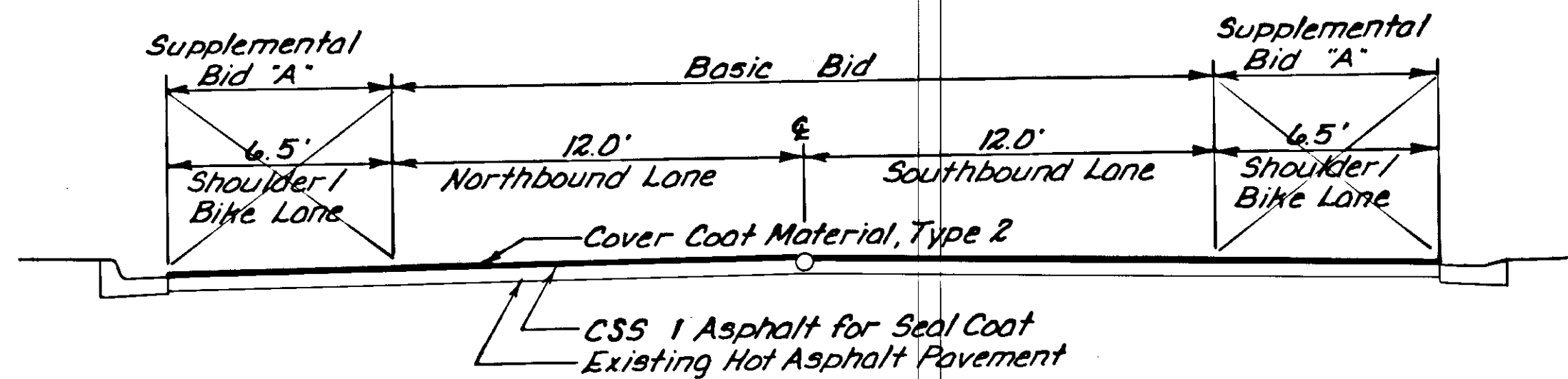
STA. "AsBit" 10+00.00 to STA. "AsBit" 16+46.00



STA. "AsBit" 16+46.00 to STA. "AsBit" 54+00.00



STA. "AsBit" 10+00.00 to STA. "AsBit" 54+00.00



STA. "AsBit" 54+00.00 to STA. "AsBit" 94+69.14

GENERAL NOTES

- The basic bid consists of seal coating the two 12' driving lanes on Douglas Highway. The project begins at Cordova Street and ends at the beginning of the pavement overlay on Third Street in Douglas, Project No. F-M-0958(5).
- Supplemental Bid 'A' includes seal coating the bike lanes and parking lanes for the length of the project.
- Peak traffic hours are 7:00 AM-8:30 AM and 4:00 PM-5:30 PM, Monday thru Friday.

TRAFFIC CONTROL PLAN

- Notes #1, 2, 7, 8, 9, 10, and 12 of the Traffic Control Plan on sheet 3 apply to this project.
- The Contractor shall keep the public advised of his construction activities through the news media.
- Standard Drawings C-02.00 and C-03.01 shall apply to this project.

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
110(2)	Mobilization and Demobilization	L.S.	All Required
113(1)	Flagging	M.H.	80-21
115(1)	Traffic Maintenance	L.S.	All Required
115(2)	Construction Signs	S.F.	148 128
115(3)	Temporary Pavement Markings	L.S.	All Required
404(1)	CSS 1 Asphalt for Seal Coat	Ton	13.4 14.23
404(1)A	CSS 1 Asphalt for Seal Coat	Ton	8.6
404(3)	Cover Coat Material, Type 2	Ton	169.4 303.52
404(3)A	Cover Coat Material, Type 2	Ton	109.1
670(1)	Painted Traffic Markings	L.S.	All Required
670(1)A	Painted Traffic Markings	L.S.	All Required

BASIS OF BEGINNING

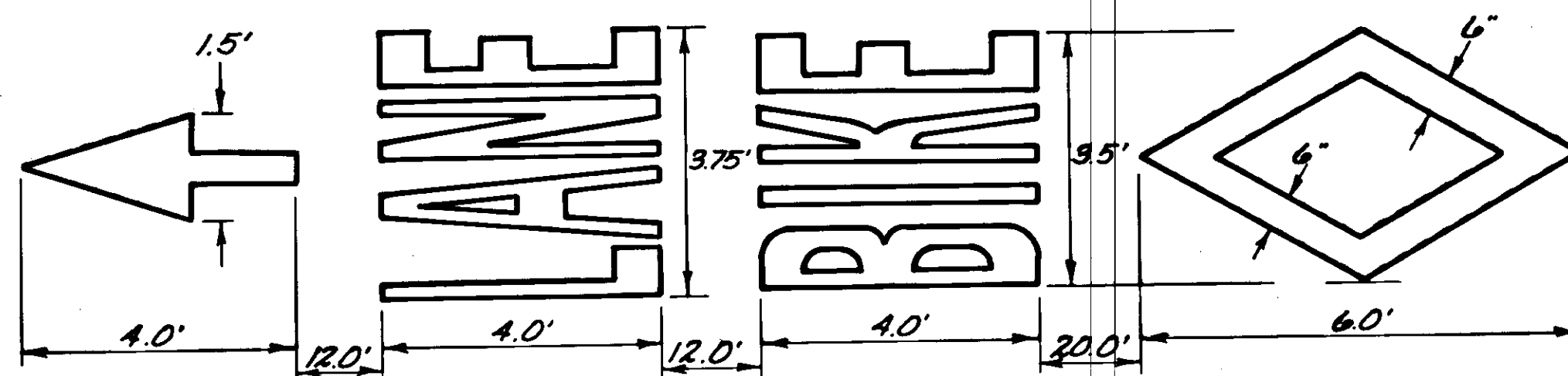
The project on Douglas Highway begin at the monument located at the intersection of the centerlines of Cordova Street and Douglas Highway.

BASIS OF ESTIMATE

ITEM NO.	ESTIMATING FACTOR
404(1)	.15 gal./sq. yd., 253 gal./ton
404(3)	15*/sq. yd.

CONSTRUCTION SIGNS

MUTCD NO.	LEGEND	SIZE	NO.	AREA S.F.
CW20-1F	Road Construction Ahead	48"x48"	2	32
CW20-1E	Road Construction 1500 Ft.	48"x48"	2	32
CW20-4B	One Lane Road 1000 Ft.	48"x48"	2	32
CW20-7A	Flagman Advance Symbol 500 Ft.	48"x48"	2	32
G.20-2	End Construction	24"x60"	2	20
			TOTAL	148



BIKE LANE DETAIL
N.T.S.

9/23/87

