State of Alaska

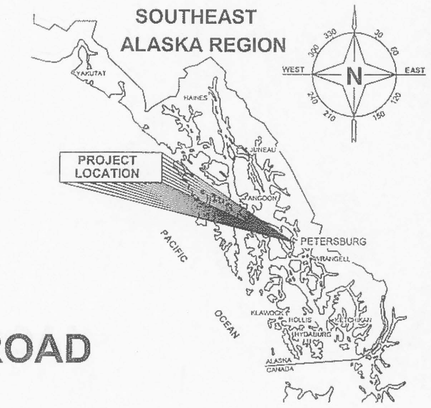
Department of Transportation and Public Facilities

Design and Engineering Services Division-Southeast Region

PETERSBURG, ALASKA

PSG- MITKOF HWY SCOW BAY TO CRYSTAL LAKE HATCHERY ROAD PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS

PROJECT No. 68819

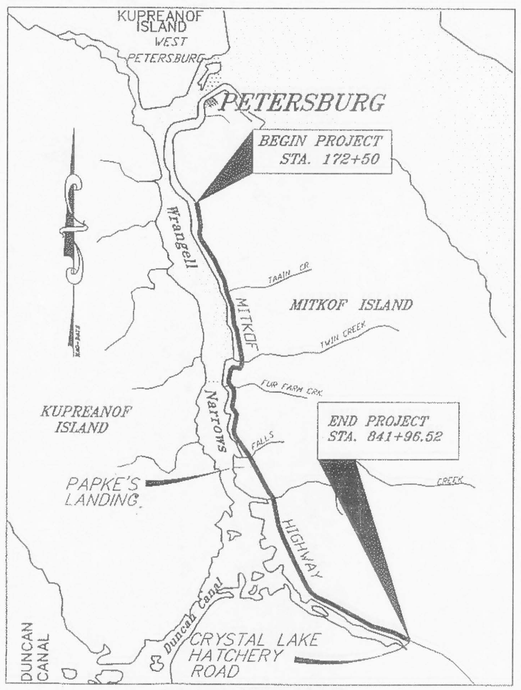


As-built Plans

17 sheets
prepared by John Kajdan
ADOT Project Engineer
Southeast Region

I have checked each sheet and all are complete.

John A Kajdan 2-1-2010



VICINITY MAP

DESIGN DESIGNATION

A.D.T. 2008	=	800
A.D.T. 2030	=	890
D.H.V. (12.3%) 2030	=	110
% T	=	16.7%
V	=	50 M.P.H.
E.A.L.	=	150,000

PROJECT SUMMARY

LENGTH OF PROJECT	=	12.5 MILES
LENGTH OF RESURFACING	=	6.3 MILES
WIDTH OF RESURFACING	=	32 FT & 24 FT

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-06.10	G-30.00	T-06.00
C-04.12	G-00.01	G-31.00	T-20.02
D-01.02	G-04.06.S	M-13.01	T-21.02
D-04.21	G-04.07W	M-16.01	T-22.03

INDEX

PATH: Q:\PSG\68819\PLANSET\DWG\A1-TITLESHEET.DWG TAB:A1-TITLE SHEET

Thursday, May 07, 2009 10:30:43 AM

PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION

STATE OF ALASKA
CHAD J. HOWARD
CE-10935
REGISTERED PROFESSIONAL ENGINEER
5-11-09

APPROVED: _____ 5/11/09
REGIONAL PRE-CONSTRUCTION ENGINEER — DATE
VICTOR M. WINTERS, P.E.

APPROVED: _____ 5-11-09
DIRECTOR, SOUTHEAST REGION — DATE
GARY L. DAVIS

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

_____
CONSTRUCTION PROJECT MANAGER — DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	68819	2009	A1	17

SEE MONUMENT SUMMARY SHEET D1
TO LOCATE PROJECT STATIONING

FREDERICK SOUND

MITKOF ISLAND

TWIN CREEK

FUR FARM CREEK

FALLS CREEK

TAAIN CR.

B.O.P
BEGIN FULL WIDTH
PAVEMENT REHABILITATION
STA. "O" 172+50

E.O.P
END SPOT REPAIRS
STA "O". 841+96.52

End overlay

END FULL WIDTH PAVEMENT REHABILITATION STA. 508+00
BEGIN SPOT REPAIRS
STA. "0" 509+40.05

HIGHWAY

CRYSTAL LAKE HATCHERY ROAD

Begin 2" pavement overlay

PETERSBURG

MITKOF HIGHWAY

PAPKE'S LANDING ROAD

WRANGELL NARROWS

STA AHEAD: 509+40.05
STA BACK: 508+00

STA AHEAD: 430+06.88
STA BACK: 429+69.29

115+00 150+00 200+00 250+00 300+00 350+00 400+00 450+00 500+00 550+00 600+00 650+00 700+00 750+00 800+00 839+96.52

NORTH

JSK
2-1-2010

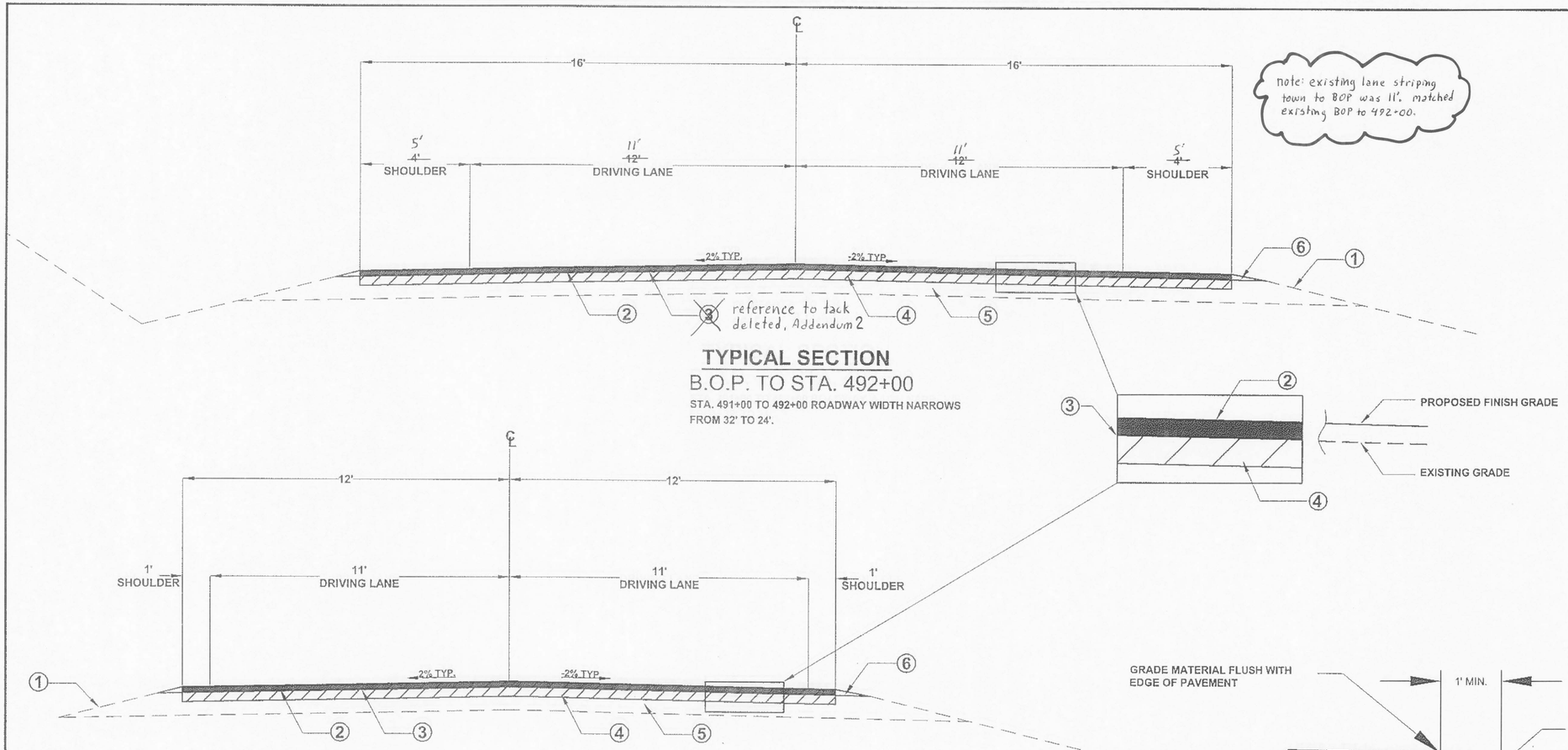
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION
DESIGNED BY: C. IVANISZEK	MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS PROJECT #68819
DRAWN BY: B. WILSON	**PROJECT LAYOUT PLAN**

STATE OF ALASKA 49th
Chad J. Howard
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-11-09

PATH: Q:\PSG\68819\PLANSET\DWG\A3 PLAN LAYOUT.DWG
TAB: A2 Thursday, May 07, 2009 10:31:06 AM WILSON, BRIAN G (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			68819	2009	A2	17



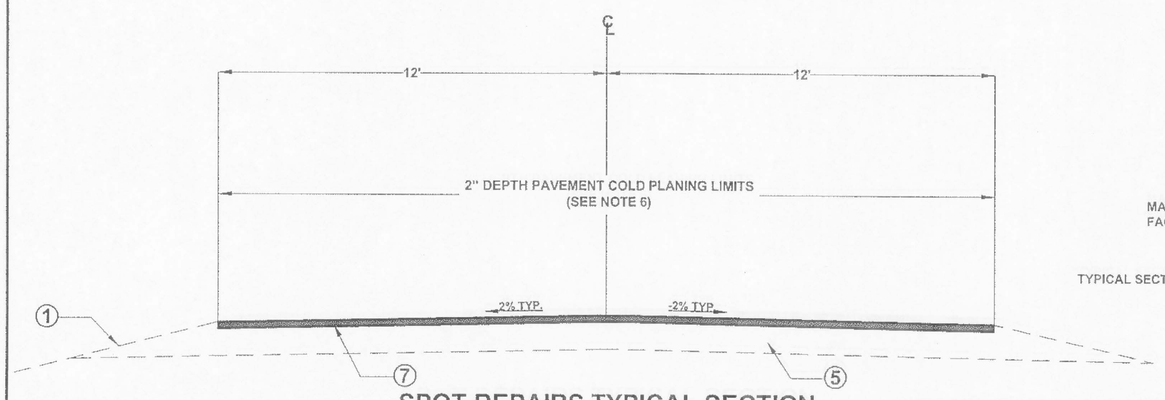
TYPICAL SECTION
B.O.P. TO STA. 492+00

STA. 491+00 TO 492+00 ROADWAY WIDTH NARROWS FROM 32' TO 24'.

TYPICAL SECTION
STA. 492+00 TO STA. 508+00

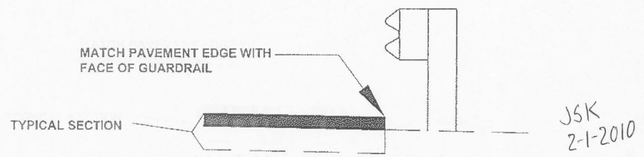
LINEAR GRADING
LEFT AND RIGHT EDGE OF PAVEMENT

1. MATERIAL FOR LINEAR GRADING SHALL MATCH THE REQUIREMENTS OF AGGREGATE BASE COURSE D-1 OR RAM.
2. LINEAR GRADING SHALL BE PAID FOR UNDER ITEM 303(3).



SPOT REPAIRS TYPICAL SECTION
STA. 509+40.05 TO E.O.P.
SEE PLANS FOR LOCATIONS

NOTE: COLD PLANE DEPTH SHALL BE 6" FROM STA. 550+60 TO 550+90. REPLACE WITH 6" ASPHALT CONCRETE (2 EACH-3" LIFTS).



JSK 2-1-2010

PAVING AT GUARDRAIL

1. DO NOT PAVE UNDER GUARDRAIL.
2. AT END OF GUARDRAIL SECTIONS, WHERE GUARDRAIL FLARES AWAY FROM CENTERLINE, MAINTAIN 12' OR 16' PAVEMENT WIDTH FROM CENTERLINE.

LEGEND

1. EXISTING GROUND
2. 2.5" ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B
3. STE-1 TACK COAT
4. 4" CRUSHED ASPHALT BASE COURSE (CABC)
5. EXISTING AGGREGATE BASE COURSE
6. LINEAR GRADING
7. 2" ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B

TYPICAL SECTION NOTES:

1. THE LIMITS OF PULVERIZING TO CONSTRUCT CABC SHALL BE THE WIDTH OF DRIVING LANES AND SHOULDERS.
2. PULVERIZE TO A DEPTH OF 4". INCREASE THE DEPTH OF PULVERIZING TO 6" FROM STA. 387+00 TO 391+00. SEE SHEET F3
3. CONTRACTOR SHALL MAKE INITIAL PASS THEN ADD AGGREGATE FOR CRUSHED ASPHALT BASE COURSE, IF REQUIRED TO MEET A SMOOTH AND UNIFORM GRADE.
4. LINEAR GRADING SHALL CONSIST OF GRADING, SHAPING, AND COMPACTING THE CRUSHED ASPHALT BASE MATERIALS AS SHOWN ON THE TYPICAL SECTION. SEE SECTION 308 OF THE SPECIAL PROVISIONS.
5. SEE PLANS FOR SPOT REPAIR LOCATIONS BETWEEN STA. 509+40.05 TO E.O.P. PLAN LOCATIONS ARE APPROXIMATE FOR ESTIMATING PURPOSES. FINAL LOCATIONS AND LIMITS WILL BE FIELD LOCATED BY THE ENGINEER PRIOR TO CONSTRUCTION.
6. WHERE PAVEMENT COLD PLANING IS REDUCED TO A SINGLE LANE, THE LIMITS SHALL EXTEND 12' FROM CENERLINE TO THE SHOULDER, (THE FULL LANE WIDTH).
7. PULVERIZING TO CONSTRUCT CABC IS PAID UNDER ITEM 308. PAVEMENT COLD PLANING FOR SPOT REPAIRS IS PAID FOR UNDER ITEM 408.
8. EXISTING PAVEMENT THICKNESS IS APPROXIMATELY 2".

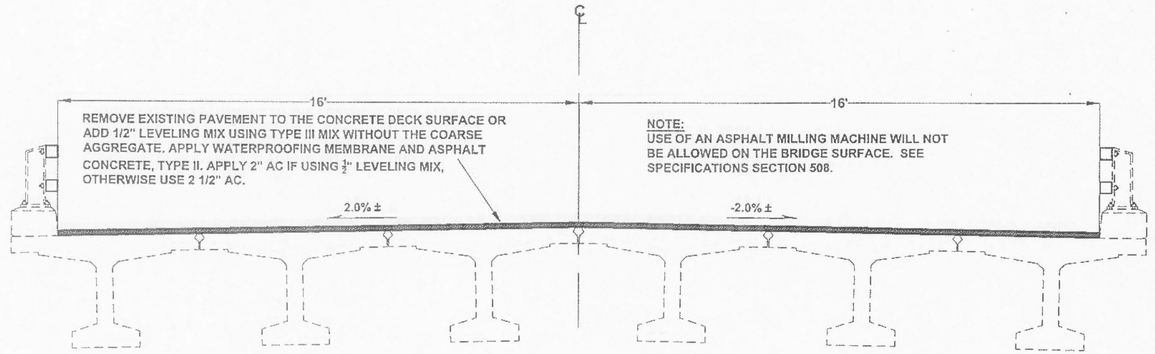
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: C. HOWARD	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION
DESIGNED BY: C. IVANISZEK	MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS PROJECT #68819
DRAWN BY: B. WILSON	TYPICAL SECTIONS

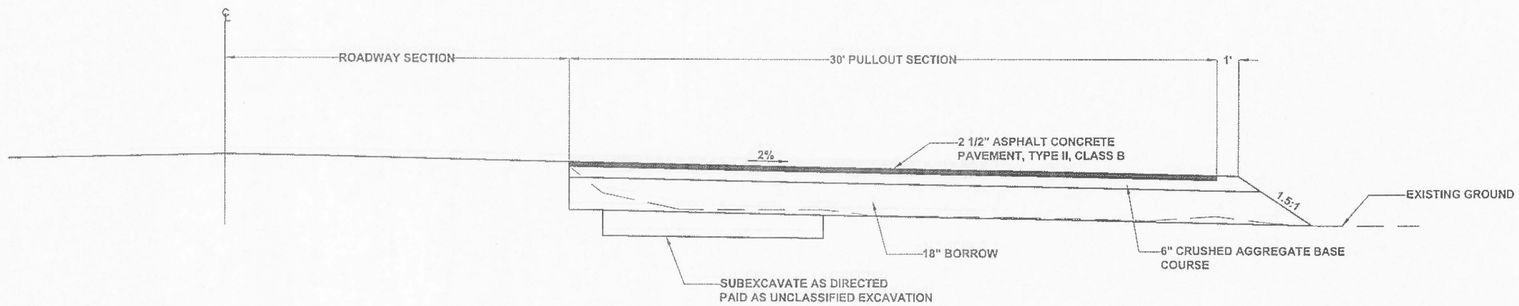
STATE OF ALASKA — REGISTERED PROFESSIONAL ENGINEER — Chad J. Howard — CE-10835 — 5-11-09

PATH: Q:\PSG\68819\PLANSET\DWG\B-TYPICAL SECTIONS.DWG
TAB: B1 Monday, May 11, 2009 11:37:08 AM WILSON, BRIAN G (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			68819	2009	B1	17



PROPOSED TYPICAL SECTION
TWIN CREEK BRIDGE



STA. 255+00 PULLOUT

JSK
2-1-2010

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CHECKED BY: C. HOWARD	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION
STATE OF ALASKA 49th Todd J. Howard CE-10835 REGISTERED PROFESSIONAL ENGINEER 5-11-09	MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS PROJECT #68819
DESIGNED BY: C. IVANISZEK	**TYPICAL SECTIONS**
DRAWN BY: B. WILSON	
PATH: O:\PSG\68819\PLANSET\DWG\B-TYPICAL SECTIONS.DWG	
TAB: B2 Thursday, May 07, 2009 9:41:45 AM WILSON, BRIAN G (DOT)	

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			68819	2009	B2	17

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	~~286~~ 294.5
203 (6)	UNCLASSIFIED EXCAVATION	CUBIC YARD	~~180~~ 0.0
203 (6)	BORROW	TON	~~1,500~~ 366.22
303(3)	LINEAR GRADING	STATION	~~670~~ 1382.29
* 308 (1)	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	~~19,850~~ 116,235.27
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	TON	~~838~~ 812.08
308 (3)	PORTLAND CEMENT	TON	~~270~~ 235.66
308 (4)	AGGREGATE FOR CABC	TON	~~4,935~~ 248.51
401 (1)	ASPHALT CONCRETE, TYPE II; CLASS B	TON	~~19,750~~ 30,159.46
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	~~1,185~~ 1,828.05
401 (6)	ASPHALT PRICE ADJUSTMENT + $29,691.35	CONTINGENT SUM	ALL REQUIRED
401 (10)	ASPHALT MATERIALS PRICE ADJUSTMENT NOT USED	CONTINGENT SUM	ALL REQUIRED
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	~~1~~ 20.82
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	~~16,100~~ 16,446.89
508 (1)	WATERPROOFING MEMBRANE	LUMP SUM	ALL REQUIRED
603(1)-24	24 INCH CSP	LINEAR FOOT	~~28~~ 10.0
603 (20)	END SECTION FOR 24 INCH PIPE	EACH	7 7
603(21)-36	36 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	~~258~~ 264.00
606 (1)	W-BEAM GUARDRAIL	LINEAR FOOT	~~882~~ 724.00
606 (6)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	~~882~~ 877.00
606 (11)	EXTRUDER TERMINAL (ET-PLUS)	EACH	8 8
606 (15)	RAIL REPLACEMENT	EACH	~~60~~ 90
606 (16)	GUARDRAIL ADJUSTMENT	LINEAR FOOT	~~200~~ 37.50
639 (3)	DRIVEWAY	EACH	~~96~~ 68
640 (1)	MOBILIZATION AND DEMOBILIZATION $310,000.00	LUMP SUM	ALL REQUIRED
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM $20,000.00	LUMP SUM	ALL REQUIRED
641 (1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION $10K	LUMP SUM	ALL REQUIRED
641 (2)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL $14,555.36	CONTINGENT SUM	ALL REQUIRED
641 (5)	EROSION, SEDIMENT AND POLLUTION CONTROL PRICE ADJUSTMENT	CONTINGENT SUM	NOT USED40
641 (11)	ROCK CHECK DAM	EACH	~~28~~ 0
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642(3)	THREE PERSON SURVEY PARTY	HOUR	~~50~~ 0
642 (8)	ADJUST EXISTING MONUMENT	EACH	31 31
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643 (15)	FLAGGING $60,698.00	CONTINGENT SUM	ALL REQUIRED
643 (25)	TRAFFIC CONTROL $20,532.25	CONTINGENT SUM	ALL REQUIRED
644 (1)	FIELD OFFICE $10,000.00	LUMP SUM	ALL REQUIRED
644 (6)	VEHICLES $25,000.00	LUMP SUM	ALL REQUIRED
670 (1)	PAINTED TRAFFIC MARKINGS $40,000.00	LUMP SUM	ALL REQUIRED
670 (8)	RECESSED PAVEMENT MARKER	EACH	~~659~~ 914

* 19,850 was a typo. Plan Quantity is 119,850.

BASIS OF ESTIMATE

ITEM NO.	ITEM	ESTIMATING FACTORS		
203(6)	BORROW	MEET SELECTED MATERIAL TYPE A		
308(2)	CSS-1 ASPHALT FOR BASE COURSE	1.7 GAL./S.Y. FOR 4" CABC	2.5 GAL./S.Y. FOR 6" CABC	243 GAL./TON
308(3)	PORTLAND CEMENT	4.5 LBS./S.Y. FOR 4" CABC	2.5 GAL./S.Y. FOR 6" CABC	
308 (4)	AGGREGATE FOR CABC	5 TONS/100 S.Y. CABC	6.8 LBS/S.Y. FOR 6" CABC	
401 (1)	ASPHALT CONCRETE, TYPE II; CLASS B	117 LBS./S.Y./IN.		
401 (2)	ASPHALT CEMENT, GRADE PG-58-28	6.0% OF ITEM 401(1)		
402 (1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL./S.Y.	243 GAL./TON.	
408 (1)	RAM TO BE REUSED FOR LINEAR GRADING AND/OR AGG. FOR CABC	1300 C.Y.		
606 (15)	RAIL REPLACEMENT	EACH EXISTING RAIL SEGMENT IS 13'-6.5" LENGTH		
644 (6)	VEHICLES	3 EACH		
670 (8)	RECESSED PAVEMENT MARKER	BOP TO 508+00 LIMIT		

Items added by change order

603(21-36a)	Additional 36" CPP (CO#3)	LS	All Required
401(11)	Long Distance Haul Surcharge (CO#1)	Ton	10,927.83
401(12)	Additional Overhead for Overlay (CO#1)	LS	All Required
670(1a)	Added Traffic Markings (CO#1)	LS	All Required
639(3a)	20' Paved Driveway (CO#4)	ea.	35
639(3b)	Intersection at Papke's (CO#4)	LS	All Required
639(3c)	Additional 5' Paved Wedge (CO#4)	LS	All Required
643(2a)	Additional Traffic Maintenance (CO#4)	LS	All Required

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

JSK
2-1-2010

CHECKED BY: C. HOWARD

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION

STATE OF ALASKA
Clyde J. Howard
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-11-09

MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS
PROJECT #68819

DESIGNED BY: C. IVANISZEK

DRAWN BY: B. WILSON

ESTIMATE OF QUANTITIES

PATH: Q:\PSG\68819\PLANSET\DWG\C-ESTIMATE OF QUANTITIES.DWG
TAB: C1 Monday, May 11, 2009 11:32:14 AM WILSON, BRIAN G (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			68819	2009	C1	17

NOTE: 639(3) Driveway Summary does not include driveways shown on plans Sta. 335+ to 361+

639(3) DRIVEWAY

STATION	OFFSET	WIDTH (ft)	LENGTH (ft)	RADIUS RT	RADIUS LT
~~173+43~~	~~LT~~	~~20~~	~~20~~	~~20~~	~~20~~
181+17.50	LT	Match Existing	Match Existing	Pulloff/Parking	
184+35	LT	Match Existing	Match Existing	Pulloff/Parking	
639(3) 191+50	LT	16	(20)	20	20
193+43	LT	20	~~20~~ 5	20	20
207+73	LT	16	~~20~~ 5	20	20
209+04	LT	18	~~20~~ 5	20	20
216+52.50	LT	16	~~20~~ 5	20	20
220+61	LT	16	~~20~~ 5	20	20
225+50	LT	Driveway done by others			
233+15.19	LT	24	~~20~~ 5	20	20
233+89	RT	16	~~20~~ 5	20	20
235+72	RT	16	~~20~~ 5	20	20
235+78	LT	14	~~20~~ 5	20	20
236+62	RT	14	~~20~~ 5	20	20
236+99.09	LT	16	~~20~~ 5	20	20
238+91	RT	14	~~20~~ 5	20	20
240+71	RT	18	~~20~~ 5	20	20
243+90	LT	16	~~20~~ 5	20	20
244+43	RT	14	~~20~~ 5	20	20
245+73	LT	16	~~20~~ 5	20	20
639(2) ~~247+25~~ 246+47	LT	16	(20)	20	20
639(6) 252+20	LT	16	(20)	20	20
~~265+66~~	~~RT~~	~~Match Existing~~	~~Match Existing~~	Pulloff/Parking	
639(6) 271+00 40	RT	16	(20)	20	20
277+00	LT	Match Existing	Match Existing	Pulloff/Parking	
282+76.56	RT	24	~~20~~ 5	20	20
284+20	LT	20	~~20~~ 5	20	20
286+97.50	RT	14	~~20~~ 5	20	20
287+97.32	LT	20	20	20	20
293+50	LT	Match Existing	~~Match Existing~~	Pulloff/Parking	
300+28	RT	Match Existing	~~Match Existing~~	Pulloff/Parking	
302+22	RT	16	~~20~~ 5	20	20
307+08	RT	16	20	20	20
639(5) 315+00	LT	16	(20)	20	20
316+76	RT	14	~~20~~ 5	20	20
317+40	RT	14	~~20~~ 5	20	20
317+66	LT	18	~~20~~ 5	20	20
318+88.05	LT	14	~~20~~ 5	20	20
319+40	RT	14	~~20~~ 5	20	20
320+06	RT	16	~~20~~ 5	20	20
322+59	RT	18	~~20~~ 5	20	20
323+74.14	LT	18	~~20~~ 5	20	20
639(5) 326+82	LT	20	(20)	20	20
331+94	RT	18	~~20~~ 5	20	20
331+99	LT	20	~~20~~ 5	20	20

Driveways annotated 639(3) had no existing pavement, and were paved with a 20' approach, 2" thick. See Change order. All others given 5' asphalt wedge as specified in addendum #2

639(3) DRIVEWAY

STATION	OFFSET	WIDTH (ft)	LENGTH (ft)	RADIUS RT	RADIUS LT
362+76	RT	18	~~20~~ 5	20	20
639(3) 364+~~24~~00	LT	16	(20)	20	20
364+61	RT	14	~~20~~ 5	20	20
639(3) ~~366+50~~ 367+00	LT	16	(20)	20	20
368+00	RT	16	20	20	20
371+61	RT	14	~~20~~ 5	20	20
639(2) 372+~~25~~75	LT	16	(20)	20	20
375+93	RT	14	~~20~~ 5	20	20
639(3) ~~378+00~~ 377+25	RT	16	(20)	20	20
383+96.03	RT	16	~~20~~ 5	20	20
385+15	RT	14	(20)	20	20
386+68.50	RT	Match Existing	~~Match Existing~~	Pulloff/Parking	
391+58.16	RT	20	~~20~~ 5	20	20
391+80.98	LT	16	~~20~~ 5	20	20
396+78	LT	14	~~20~~ 5	20	20
398+35	LT	14	~~20~~ 5	20	20
404+22	RT	14	~~20~~ 5	20	20
404+75	LT	14	~~20~~ 5	20	20
419+12.50	RT	18	~~20~~ 5	20	20
419+69	RT	16	~~20~~ 5	20	20
639(3) 420+~~39~~00	RT	~~16~~ 22	(20)	20	20
639(3) 421+00 ~~420+90~~	RT	~~16~~	(20)	20	20
432+17	RT	16	~~20~~ 5	20	20
435+79	RT	16	~~20~~ 5	20	20
440+32	LT	14	~~20~~ 5	20	20
442+47	LT	16	~~20~~ 5	20	20
444+09	RT	14	~~20~~ 5	20	20
445+88	LT	18	~~20~~ 5	20	20
639(3) 447+24	RT	16	(20)	20	20
639(3) 447+~~60~~75	LT	16	(20)	20	20
449+~~24~~60	RT	16	(20)	20	20
457+24	RT	16	20	20	20
467+34.05	RT	14	~~20~~ 5	20	20
472+66.59	RT	20	~~20~~ 5	20	20
* ~~473+41.59~~	~~RT~~	~~20~~	~~20~~	~~20~~	~~20~~
* ~~479+[illegible]65~~	~~RT~~	~~20~~	~~20~~	~~20~~	~~20~~
* ~~481+75~~	~~LT~~	~~16~~	~~20~~	~~20~~	~~20~~
* ~~486+50~~	~~LT~~	~~16~~	~~20~~	~~20~~	~~20~~
* ~~487+25~~	~~RT~~	~~16~~	~~20~~	~~20~~	~~20~~
* ~~489+25~~	~~RT~~	~~16~~	~~20~~	~~20~~	~~20~~
490+58.31	LT	30	~~20~~ 5	20	20
490+66	RT	20	(20)	20	20
495+78.92	RT	20	~~20~~ 5	20	20
~~504+49~~	~~RT~~	~~20~~	~~20~~	~~20~~	~~20~~
506+49.24	RT	24	~~20~~ 48	50	50

* no driveway exists near this location, ** extra work, not paid under 639(3)

603 PIPE SUMMARY

PIPE NUMBER	603(1)-24 24" CSP	603(21)-36 36" CPP	INLET STATION	INLET OFFSET	INLET INV.	OUTLET STATION	OUTLET OFFSET	OUTLET INV.	SLOPE	REMARKS
P-1		~~82~~ 87	~~190+68.46~~ 190+64	~~36.61~~ 36 LT	MATCH EXISTING	190+~~24.64~~ 28	~~36.61~~ 32 RT		5.00%	REPLACE EXISTING PIPE
P-2	20 ~~58~~ 54		191+82	30 LT						REPLACE INLET END AND ADD END SECTION TO INLET ONLY
P-3		~~60.0~~ 62 ~~59.0~~	216+~~16.99~~ 17+31	LT	MATCH EXISTING	216+~~17.81~~ 17+28	31 RT		5.00%	REPLACE EXISTING PIPE
P-4	23 ~~58~~ 54		218+05	31 LT						REPLACE INLET END AND ADD END SECTION TO INLET ONLY
P-5	33 ~~45~~ 40		221+19	30 LT						REPLACE INLET END AND ADD END SECTION TO INLET ONLY
P-6	24 ~~46~~ 42		223+46	33 LT						REPLACE INLET END AND ADD END SECTION TO INLET ONLY
P-7		59.0 ~~58~~	225+88.8	29 LT	MATCH EXISTING	~~225+88~~ 226+03	30~~29~~ RT		5.00%	REPLACE EXISTING PIPE
P-8	0.0 ~~43~~ 38		230+10	29 LT						REPLACE INLET END AND ADD END SECTION TO INLET ONLY
P-9	0.0 ~~45~~ 40		267+07	28 LT						REPLACE INLET END AND ADD END SECTION TO INLET ONLY
P-10	0.0 ~~45~~ 40		298+34	38 LT						REPLACE INLET END AND ADD END SECTION TO INLET ONLY
P-11		56	316+10	28 LT	MATCH EXISTING	316+10	28 RT		5.00%	REPLACE EXISTING PIPE
TOTAL	~~28~~ 335	~~256~~ 316								

SEE STD. DWG. D-06.10 FOR END SECTIONS.
SET CULVERTS RECEIVING COMPLETE REPLACEMENT AT THE GIVEN SLOPE. (P-1, P-3, P-7, P-11)

Add P-12 | 60.0 54.0 | 311+54 | 26 LT | | 311+54 | 34 RT

202(4) CULVERT REMOVAL

STATION	OFFSET	DIAMETER (IN)	LENGTH (FT)	REMARKS
190+50	0	24	82	
191+82	30 LT	24	~~8~~ 2.7	REMOVE INLET SEGMENT ONLY
216+18	0	24	62	
218+05	31 LT	24	~~3~~ 6.0	REMOVE INLET SEGMENT ONLY
221+19	30 LT	24	~~4~~ 5.0	REMOVE INLET SEGMENT ONLY
223+46	33 LT	24	~~4~~ 6.0	REMOVE INLET SEGMENT ONLY
225+88	0	24	58	
230+10	29 LT	24	~~4~~ 3.0	REMOVE INLET SEGMENT ONLY
267+07	28 LT	24	~~4~~ 5.0	REMOVE INLET SEGMENT ONLY
298+34	38 LT	24	~~4~~ 5.8	REMOVE INLET SEGMENT ONLY
316+10	0	24	56	

642(8) ADJUST EXISTING MONUMENT

MONUMENT	STATION	OFFSET	REMARKS
M-6	172+89	13.21 LT	
M-7	185+50	12.95 LT	
M-8	201+16	14.23 RT	
M-9	231+39	13.02 LT	
M-10	239+23	15.17 RT	
M-11	248+58	14.31 LT	
M-12	279+09	14.78 RT	
M-13	285+69	13.79 LT	
M-14	293+21	14.87 RT	
M-15	306+79	13.56 LT	
M-16	318+56	13.16 LT	
M-17	339+31	12.91 LT	
M-18	343+43	13.52 LT	
M-19	351+92	13.64 RT	
M-20	356+46	13.30 RT	
M-21	361+09	14.19 RT	
M-22	367+42	13.54 RT	
M-23	376+99	14.56 RT	
M-24	388+49	14.23 LT	
M-25	397+05	13.69 LT	
M-26	404+11	13.86 LT	
M-27	412+91	13.24 RT	
M-28	418+85	16.04 RT	
M-29	425+40	14.02 LT	
M-30	429+36	13.66 RT	
M-31	446+56	14.05 RT	
M-32	453+11	13.92 RT	
M-33	459+28	13.48 LT	
M-34	468+51	13.25 LT	
M-35	476+64	14.48 LT	
M-36	489+21	13.12 RT	

MONUMENT NO. IS STAMPED ON MONUMENT CAP FOR FIELD IDENTIFICATION.

606 (15) RAIL REPLACEMENT

BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	LENGTH	REMARKS
173+25	RT	174+37.50	RT	113	REMOVE RAIL ONLY AND REPLACE WITH NEW RAIL
182+00	RT	186+00	RT	400	REMOVE RAIL ONLY AND REPLACE WITH NEW RAIL

606 (1) W-BEAM GUARDRAIL/ 606(6) REMOVE & DISPOSE G/R

BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	LENGTH	REMARKS
691+98	RT	695+78	RT	380	REMOVE COMPLETE GUARDRAIL SYSTEM AND REPLACE USING 11' POSTS
706+87	RT	711+89	RT	502	REMOVE COMPLETE GUARDRAIL SYSTEM AND REPLACE USING 11' POSTS
SEE DETAIL SHEET J2 FOR 11' POSTS					

606(11) EXTRUDER TERMINAL (ET-PLUS)

STATION	OFFSET	STATION	OFFSET	REMARKS
173+25	RT	174+37.50	RT	
182+00	RT	186+00	RT	
691+98	RT	695+78	RT	
706+87	RT	711+89	RT	
		TOTAL =	8	

186+50	LT	5' wedge	driveway not shown on plans or listed on driveway schedule
235+50	LT	5' wedge	driveway shown on plans but not listed on driveway schedule
241+90	LT	5' wedge	driveway shown on plans but not listed on driveway schedule
279+50	RT	20' approach	driveway not shown on plans or listed on driveway schedule
309+73	RT	20' approach	driveway not shown on plans or listed on driveway schedule
322+50	LT	5' wedge	driveway shown on plans but not listed on driveway schedule
334+70	LT	5' wedge	driveway shown on plans but not listed on driveway schedule
343+70	LT	5' wedge	driveway shown on plans but not listed on driveway schedule
345+00	RT	20' approach	driveway shown on plans but not listed on driveway schedule
350+50	LT	5' wedge	driveway shown on plans but not listed on driveway schedule
351+50	LT	20' approach	driveway not shown on plans or listed on driveway schedule
361+00	LT	20' approach	driveway shown on plans but not listed on driveway schedule
362+25	LT	20' approach	driveway shown on plans but not listed on driveway schedule
369+25	RT	20' approach	driveway not shown on plans or listed on driveway schedule
418+50	RT	20' approach	driveway not shown on plans or listed on driveway schedule
450+80	RT	20' approach	driveway not shown on plans or listed on driveway schedule
458+50	RT	20' approach	driveway not shown on plans or listed on driveway schedule
463+60	RT	20' approach	driveway not shown on plans or listed on driveway schedule
475+30	LT	20' approach	driveway not shown on plans or listed on driveway schedule
478+65	LT	20' approach	driveway not shown on plans or listed on driveway schedule
481+25	RT	20' approach	driveway not shown on plans or listed on driveway schedule
485+75	RT	20' approach	driveway not shown on plans or listed on driveway schedule
Driveways Papke's Landing to Crystal Lake Hatcher Road, added for pavement overlay			
530+00	RT	5' wedge	Radio towers
551+00	RT	5' wedge	driveway
582+50	RT	5' wedge	driveway
622+30	LT	paved	driveway at Rifle Range paved by others
664+45	LT	5' wedge	Intersection with 40.000 Road
680+00	RT	5' wedge	Blind Rapids 1
683+20	RT	5' wedge	Blind Rapids 2
703+00	RT	5' wedge	Pulloff
713+00	RT	5' wedge	Pulloff
729+00	RT	5' wedge	Pulloff
761+50	LT	5' wedge	Goatman Trail Road
784+15	RT	5' wedge	Swan Observatory
839+50	RT	5' wedge	Crystal Lake Hatchery Road

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

JSK 2-1-2010

CHECKED BY: C. HOWARD
DESIGNED BY: C. IVANISZEK
DRAWN BY: B. WILSON

STATE OF ALASKA
Chad J. Howard CE-10835 PROFESSIONAL ENGINEER 5-11-09

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS
PROJECT #68819

SUMMARIES

PATH: C:\PSG\68819\PLANSET\DWG\D-SUMMARIES.DWG
TAB: D1 Monday, May 11, 2009 10:59:52 AM WILSON, BRIAN G (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			68819	2009	D1	17

LEGEND

- PROFILE DRAINAGE PATTERN
- SURFACE DRAINAGE PATTERN
- CULVERT FLOW DIRECTION
- ROCK CHECK DAM

B.O.P.
STA. 172+50

Start CABC/pave 174+70

NOTES:
1. ALL AREAS SHOWN WITHOUT RADI ARE PULLOFF/PARKING AREAS, AND ARE NOT DRIVEWAYS.
2. ~~MATCH EXISTING DIMENSIONS~~ 5' asphalt wedge only FOR PULLOFF/PARKING AREAS.
3. PULLOFF/PARKING AREAS WILL BE PAID UNDER ITEM 639(3).

overlay of existing paved pulloff/parking eliminated.

168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00 179+00 180+00 181+00 182+00 183+00 184+00 185+00 186+00 187+00 188+00 189+00 190+00 191+00 192+00 193+00 194+00 195+00

M-6

REPLACE RAIL ONLY. SEE SUMMARY, SHEET D1.

PC = 176+01.30

PT = 177+51.95

PC = 183+19.98

PT = 184+97.76

M-7

5' wedge, driveway at 186+50 LT

REPLACE RAIL ONLY. SEE SUMMARY, SHEET D1.

P-1 P-2

20' paved approach

196+00 197+00 198+00 199+00 200+00 201+00 202+00 203+00 204+00 205+00 206+00 207+00 208+00 209+00 210+00 211+00 212+00 213+00 214+00 215+00 216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00

PC = 197+66.45

M-8

pulloff not on summary installed 5' wedge

PT = 202+30.06

PC = 213+34.66

P-3 535 MITKOF HWY

PT = 216+38.72

P-4

541 MITKOF HWY

P-5

Pulloff not on summary installed 5' wedge

223+00 224+00 225+00 226+00 227+00 228+00 229+00 230+00 231+00 232+00 233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00 243+00 244+00 245+00 246+00 247+00 248+00 249+00 250+00 251+00

P-6

551 MITKOF HWY

P-7

P-8

M-9

PC = 227+64.55

Pulloff not on summary installed 5' wedge

PT = 233+12.26

not on summary

PC = 237+30.98

M-10

PC = 245+15.72

PT = 247+50.65

597 MITKOF HWY ?

M-11

PT = 249+48.86

#106-44-10030

TAAIN CREEK

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\PSG\68819\PLANSET\DWG\F_PLAN&PROF

WILSON, BRIAN G (DOT)
TAB: F1 Monday, May 11, 2009 11:05:02 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN

JSK 2-1-2010

PLAN LEGEND

CHECKED BY: C.HOWARD

STATE OF ALASKA — CHAD J. HOWARD — CE-10635 — REGISTERED PROFESSIONAL ENGINEER — 5-11-09

DESIGNED BY: C. IVANISZEK

DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE
PROJECT #68819

PLAN

PROJECT DESIGNATION
STP - 0920(20)

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F1	17

PATH: Q:\PSG\68819\PLANSET\DWG\F_PLAN&PROF

WILSON, BRIAN G (DOT)
TAB: F2 Monday, May 11, 2009 11:06:51 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JSK
2-1-2010

PLAN LEGEND

CHECKED BY: C.HOWARD

STATE OF ALASKA
CHAD J. HOWARD
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-11-09

DESIGNED BY: C. IVANISZEK

DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE
PROJECT #68819

PLAN

PROJECT DESIGNATION	
STP - 0920(20)	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F2	17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:Q:\PSG\68819\PLANSET\DWG\F_PLAN&PROF

WILSON, BRIAN G (DOT)
TAB: F3 Monday, May 11, 2009 11:06:56 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JSK
2-1-2010

PLAN LEGEND

CHECKED BY: C.HOWARD

STATE OF ALASKA
CHAD J. HOWARD
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-11-09

DESIGNED BY: C. IVANISZEK

DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE
PROJECT #68819

PLAN

PROJECT DESIGNATION	
STP - 0920(20)	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F3	17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\PSG\68819\PLANSET\DWG\F_PLAN&PROF

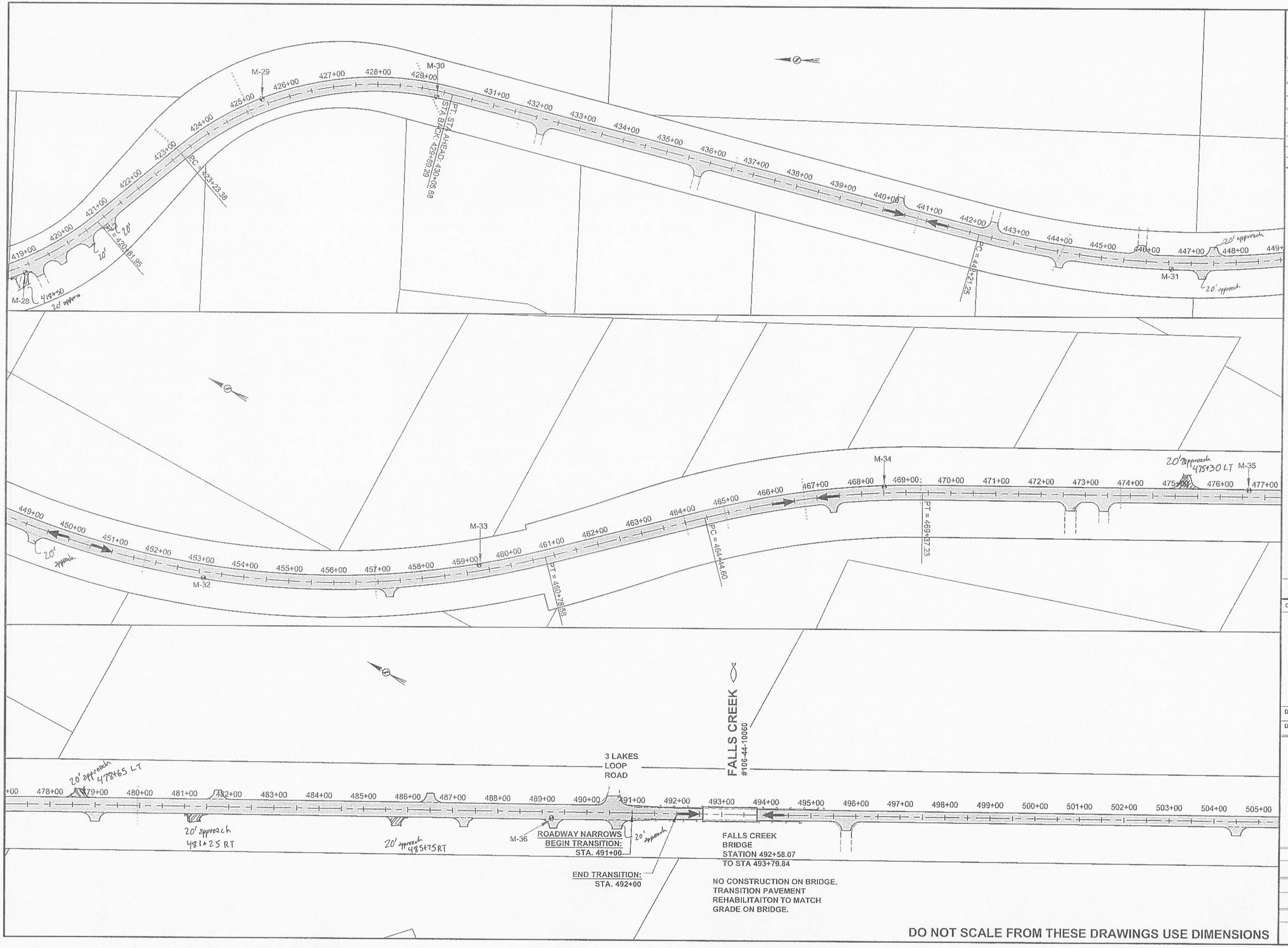
WILSON, BRIAN G (DOT)
TAB: F4 Monday, May 11, 2009 11:07:02 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN

JSK
2-1-2010

PLAN LEGEND

CHECKED BY: C.HOWARD

STATE OF ALASKA
CHAD J. HOWARD
CE-10635
REGISTERED PROFESSIONAL ENGINEER
5-11-09

DESIGNED BY: C. IVANISZEK

DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT
REHABILITATION AND
DRAINAGE
PROJECT #68819

PLAN

PROJECT DESIGNATION
STP - 0920(20)

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F4	17

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

508+00 Back
4" CABC +2.5" HMA

509+40.05 Ahead
2" overlay

00 506+00 507+00 510+00 511+00 512+00 513+00 514+00 515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00 523+00 524+00 525+00 526+00 527+00 528+00 529+00 530+00 531+00 532+00 533+00 534+00 535

STA BACK: 508+00
STA AHEAD: 509+40.05

PAPKES LANDING ROAD

KRSA RADIO

35+00 536+00 537+00 538+00 539+00 540+00 541+00 542+00 543+00 544+00 545+00 546+00 547+00 548+00 549+00 550+00 551+00 552+00 553+00 554+00 555+00 556+00 557+00 558+00 559+00 560+00 561+00 562+00 563+00

Spot Repair
STA. 551+90
TO
STA. 552+75

PC = 551+91.61

NOTE:
SPOT REPAIR
STA. 550+50
TO
STA. 551+00

NOTE:
PAVEMENT COLD PLANE 6" AND REPLACE WITH 6" ASPHALT
SEE SPOT REPAIR TYPICAL, SHEET B1

SPOT REPAIR
STA. 558+05
TO
STA. 559+10

PT = 559+25.96

NOTE:
SPOT REPAIR
STA. 557+60 LT.
TO
STA. 558+10 LT.

563+00 564+00 565+00 566+00 567+00 568+00 569+00 570+00 571+00 572+00 573+00 574+00 575+00 576+00 577+00 578+00 579+00 580+00 581+00 582+00 583+00 584+00 585+00 586+00 587+00 588+00 589+00 590+00 591+00

SPOT REPAIR
STA. 574+65
TO
STA. 575+15

SPOT REPAIR
STA. 583+25
TO
STA. 583+75

PC = 579+98.88

PT = 585+61.21

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLAN

J S K
2-1-2010

PLAN LEGEND

PATH: Q:\PSG\68819\PLANSET\DWG\F_PLAN&PROF

WILSON, BRIAN G (DOT)
TAB: F5 Monday, May 11, 2009 11:07:07 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: C.HOWARD

STATE OF ALASKA
CHAD J. HOWARD
CE-10335
REGISTERED PROFESSIONAL ENGINEER
5-11-09

DESIGNED BY: C. IVANISZEK

DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE
PROJECT #68819

PLAN

PROJECT DESIGNATION
STP - 0920(20)

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F5	17

PATH: Q:\PSG\68819\PLANSET\DWG\F_PLAN&PROF

WILSON, BRIAN G (DOT)
TAB: F6 Monday, May 11, 2009 11:07:13 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

591+00 592+00 593+00 594+00 595+00 596+00 597+00 598+00 599+00 600+00 601+00 602+00 603+00 604+00 605+00 606+00 607+00 608+00 609+00 610+00 611+00 612+00 613+00 614+00 615+00 616+00 617+00 618+00

619+00 620+00 621+00 622+00 623+00 624+00 625+00 626+00 627+00 628+00 629+00 630+00 631+00 632+00 633+00 634+00 635+00 636+00 637+00 638+00 639+00 640+00 641+00 642+00 643+00 644+00 645+00 646+00

Spot Repair
STA. 631+00
TO
STA. 632+15

NOTE:
SPOT REPAIR
~~STA. 635+25~~ 631+60 RT.
TO
~~STA. 655+75~~ 654+60 RT.

NOTE:
SPOT REPAIR
STA. 637+~~00~~ 75 Lt
TO
STA. 643+~~37~~ Lt

647+00 648+00 649+00 650+00 651+00 652+00 653+00 654+00 655+00 656+00 657+00 658+00 659+00 660+00 661+00 662+00 663+00 664+00 665+00 666+00 667+00 668+00 669+00 670+00 671+00 672+00 673+00 674+00

40,000
ROAD

Spot Repair
STA. 648+45 RT
TO
STA. 658+75 RT

NOTE:
SPOT REPAIR
~~STA. 649+10~~ 649+00 RT
TO
~~STA. 654+45~~ 654+00 LT

Spot Repair
STA. 663+00 RT
To
STA. 664+00 RT

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLAN

JSK
2-1-2010

PLAN LEGEND

CHECKED BY: C.HOWARD

STATE OF ALASKA
CHAD J. HOWARD
CE-10935
REGISTERED PROFESSIONAL ENGINEER
5-11-09

DESIGNED BY: C. IVANISZEK

DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

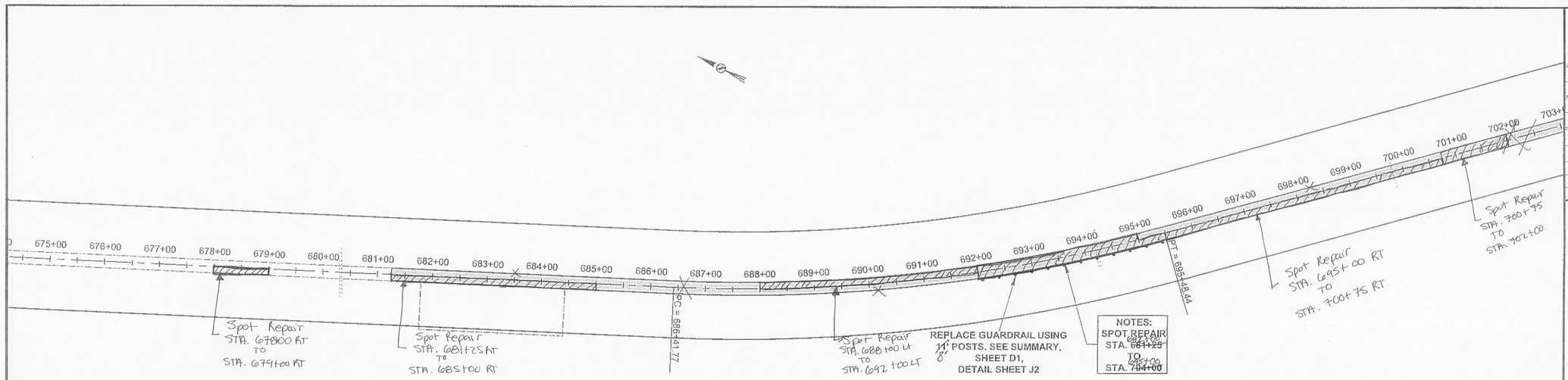
MITKOF HWY PAVEMENT
REHABILITATION AND
DRAINAGE
PROJECT #68819

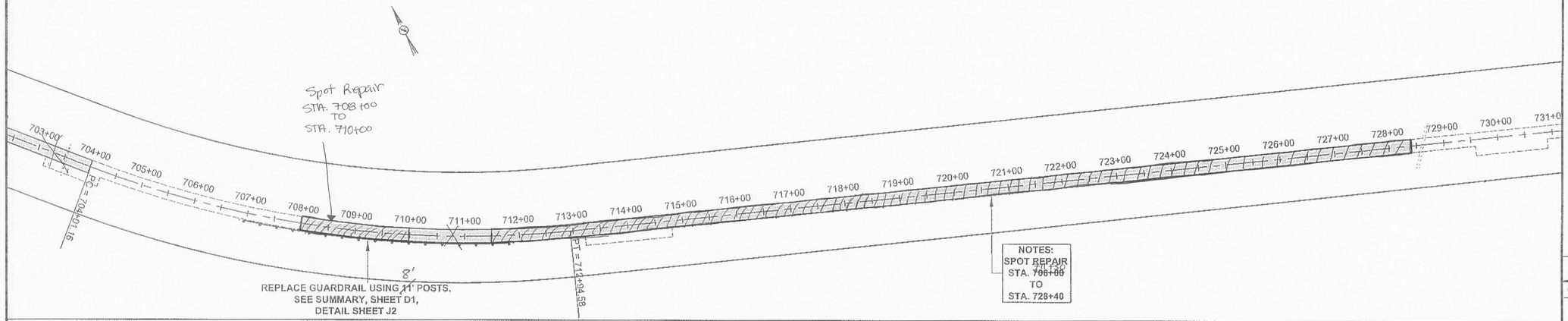
PLAN

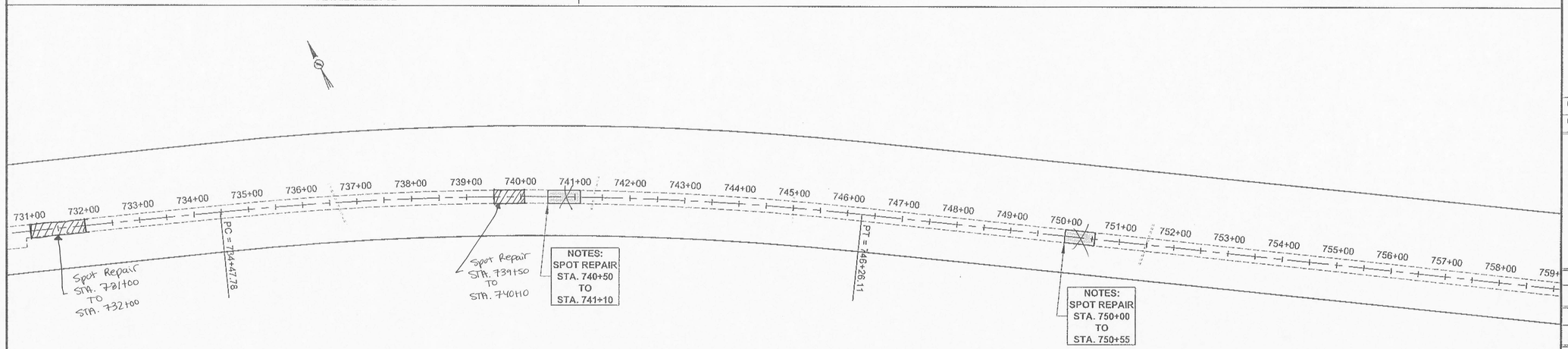
PROJECT DESIGNATION

STP - 0920(20)

STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F6	17







DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\PSG\68819\PLANSET\DWG\F_PLAN&PROF

WILSON, BRIAN G (DOT)
TAB: F7 Monday, May 11, 2009 11:07:20 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN

JSK
2-1-2010

PLAN LEGEND

CHECKED BY: C.HOWARD

STATE OF ALASKA
CHAD J. HOWARD
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-11-09

DESIGNED BY: C. IVANISZEK

DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT
REHABILITATION AND
DRAINAGE
PROJECT #68819

PLAN

PROJECT DESIGNATION	
STP - 0920(20)	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F7	17

PATH: Q:\PSG\68819\PLANSET\DWG\F_PLAN&PROF

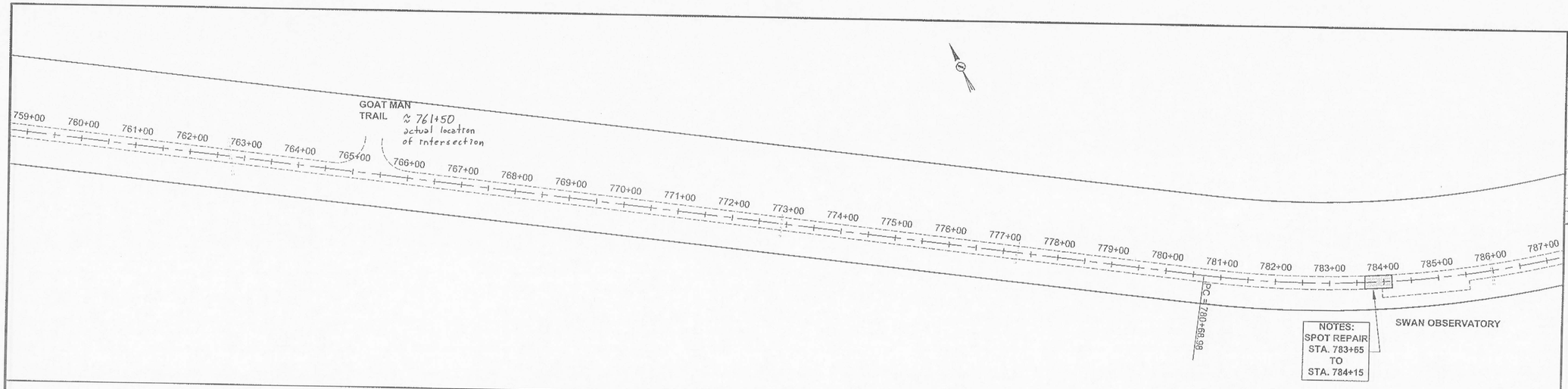
WILSON, BRIAN G (DOT)
TAB: F8 Monday, May 11, 2009 11:07:29 AM

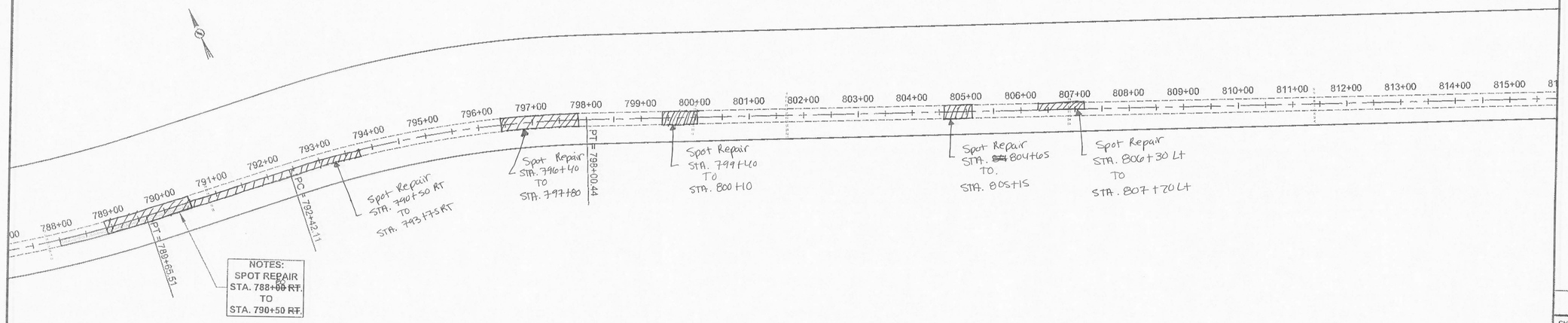
ADDENDUM NUMBER

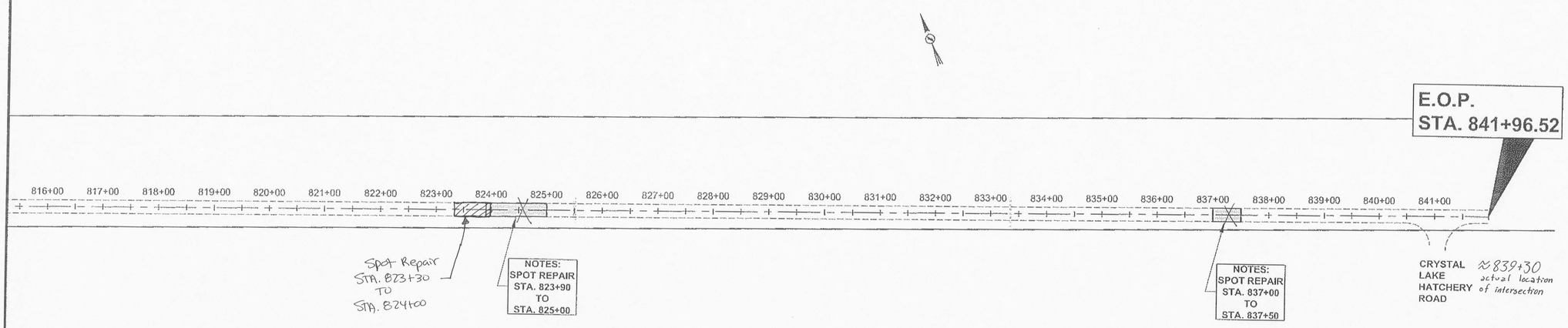
ATTACHMENT NUMBER

RECORD OF REVISIONS

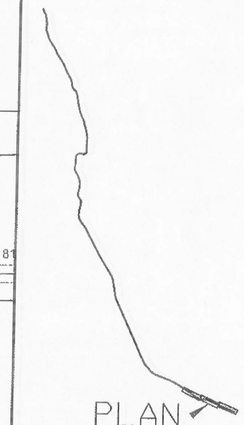
No.	DATE	DESCRIPTION







DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



JSK
2-1-2010

PLAN LEGEND

CHECKED BY: C.HOWARD

STATE OF ALASKA
CHAD J. HOWARD
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-11-09

DESIGNED BY: C. IVANISZEK

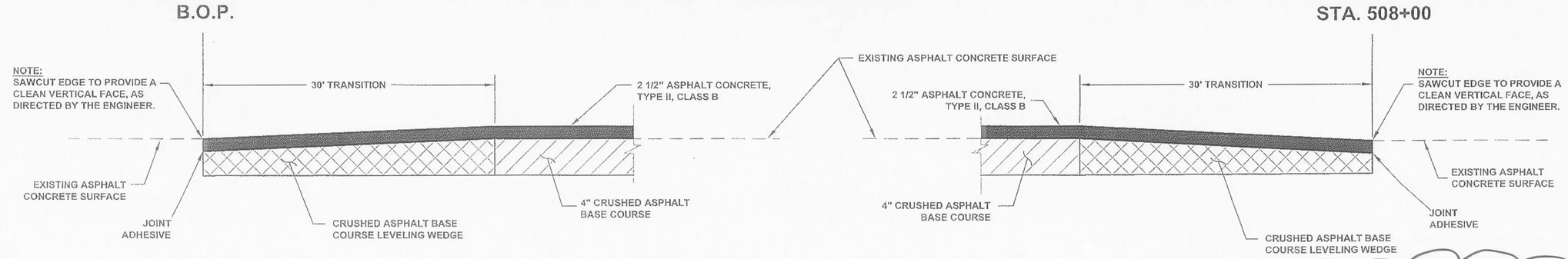
DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE
PROJECT #68819

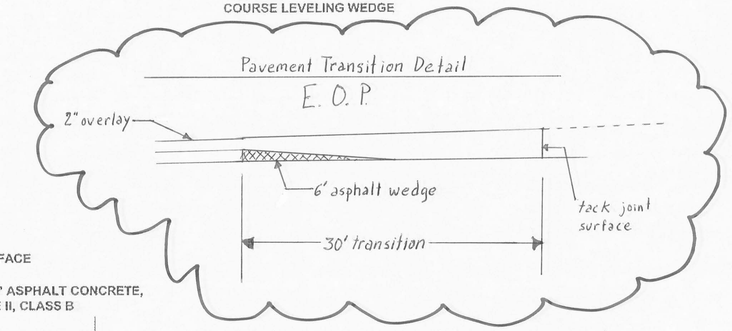
PLAN

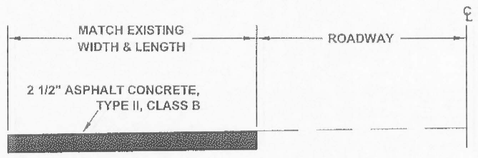
PROJECT DESIGNATION	
STP - 0920(20)	
STATE	YEAR
ALASKA	2009
SHEET NUMBER	TOTAL SHEETS
F8	17

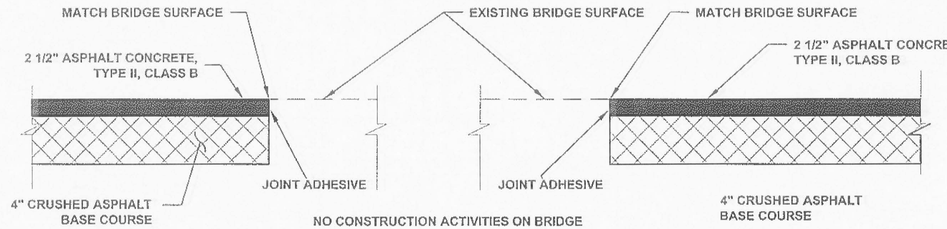


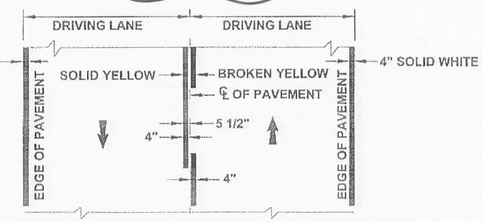
PAVEMENT TRANSITION DETAIL

B.O.P. AND STA. 508+00









PULLOFF/PARKING DETAIL

SEE PLANS & 639(3) SUMMARY TABLE FOR LOCATIONS.

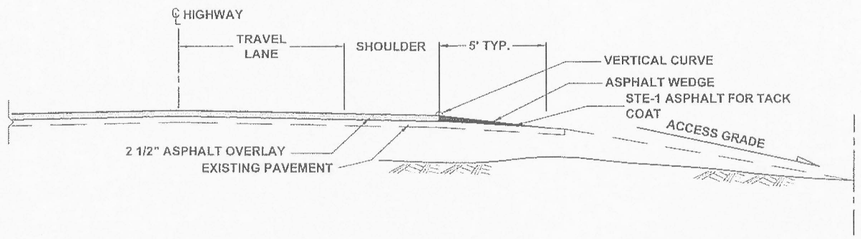
FALLS CREEK BRIDGE DETAIL

STA. 492+58.07 TO 493+79.84

STRIPING DETAIL

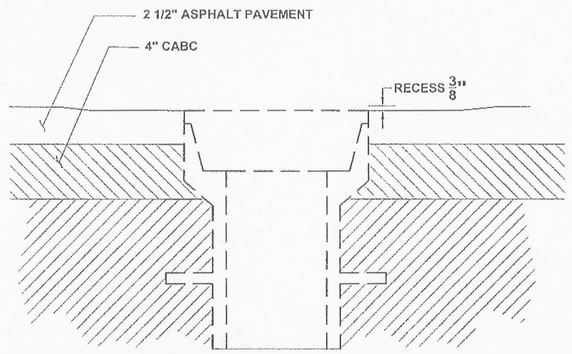
STRIPING NOTES:

1. PASSING ZONES SHALL BE LOCATED IN FIELD. THE CONTRACTOR SHALL REFERENCE AND STAKE THE LOCATIONS OF PASSING ZONES PER SPECIAL PROVISION 670.
2. CONTRACT STRIPING SHALL BE LIMITED TO AREAS RECEIVING PAVEMENT REHABILITION AND PAVEMENT COLD PLANING. THE CONTRACTOR IS RESPONSIBLE TO RESTRIPE ANY STRIPING THAT IS OBLITERATED DUE TO CONSTRUCTION ACTIVITIES.



TYPICAL DRIVEWAY PROFILE

DRIVEWAY VERTICAL CURVE REQUIREMENTS:
CREST: 3/4" MAXIMUM HUMP IN 10' CHORD
SAG: 2" MAXIMUM DEPRESSION IN 10' CHORD



MONUMENT ADJUSTMENT DETAIL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

JSK
2-1-2010

CHECKED BY: C. HOWARD
DESIGNED BY: C. IVANISZEK
DRAWN BY: B. WILSON

STATE OF ALASKA
Chad J. Howard
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-11-09

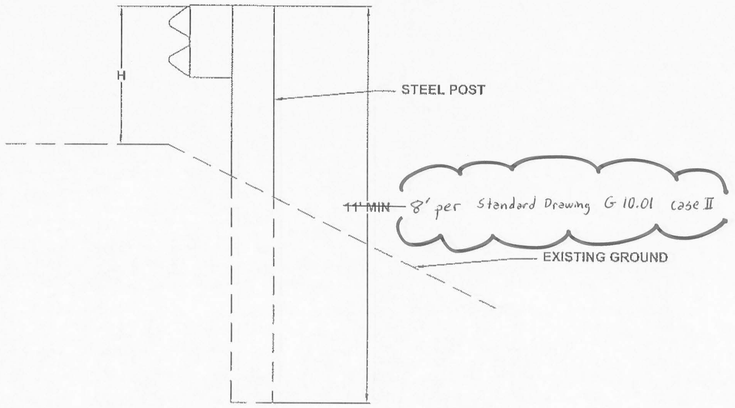
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS
PROJECT #68819

MISCELLANEOUS DETAILS

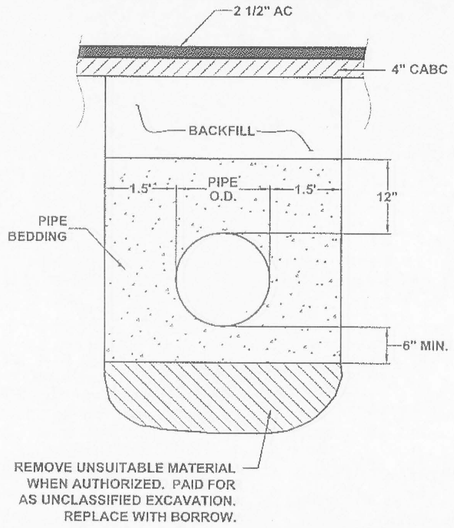
PATH: Q:\PSG\68819\PLANSET\DWG\J- MISC DETAILS.DWG
TAB J1 Monday, May 11, 2009 11:37:44 AM WILSON, BRIAN G (DOT)

REVISIONS NO	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			68819	2009	J1	17



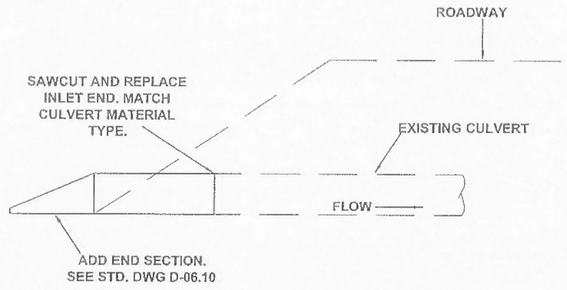
GUARDRAIL POST DETAIL

REFER TO SUMMARY TABLE, SHEET D1, FOR LOCATIONS TO INSTALL POSTS.
IT IS ANTICIPATED THAT BASE OF POSTS MAY ENCOUNTER LARGER ROCK FILL.

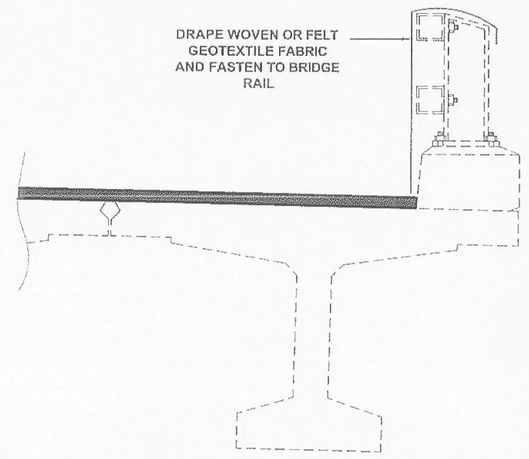


CULVERT BEDDING/BACKFILL DETAIL

N.T.S.

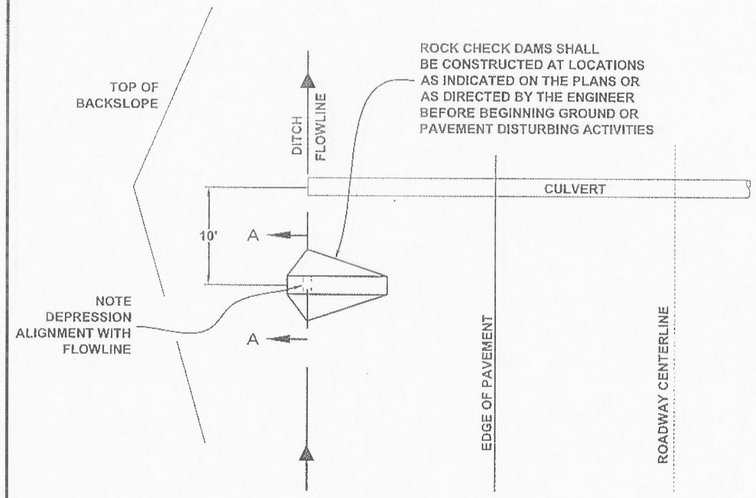


CULVERT INLET REPLACEMENT DETAIL

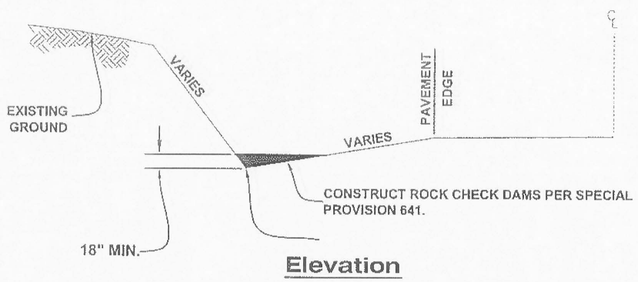


TWIN CREEK BRIDGE ESCP

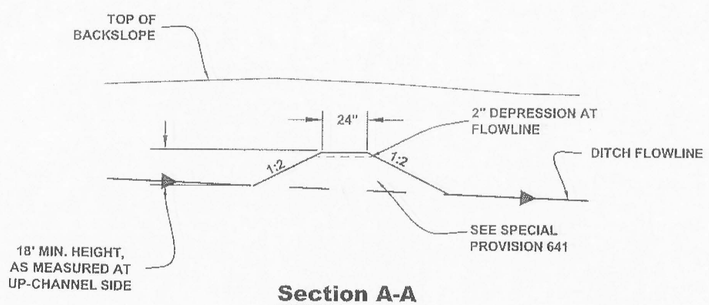
PLUG ANY SCUPPERS TO PREVENT DEBRIS
OR TACK COAT FROM ENTERING FISH STREAM.



Plan



Elevation



Section A-A

ROCK CHECK DAM DETAILS

ROCK CHECK DAM NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING GROUND OR PAVEMENT DISTURBING ACTIVITIES.
2. MAINTAIN DEVICES. MONITOR DAILY. EXCAVATE SEDITMENT BEHIND CHECK DAMS WHEN 4" OR MORE SEDIMENT IS PRESENT.
3. IF INSPECTION REVEALS SEDIMENT IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL CHECK DAMS MAY BE REQUIRED.

EROSION & SEDIMENT CONTROL NOTES:

1. REFER TO APPENDIX B OF THE CONTRACT DOCUMENTS FOR THE ENVIRONMENTAL COMMITMENTS.
2. THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION 641 OF THE SPECS.
3. DIVERT WATER FLOW BY NATURAL FLOW OR PUMPING BEFORE WORK ON CULVERT PIPES.
4. DO NOT WORK OR PLACE MATERIAL OUTSIDE THE ROAD PRISM WHILE WORKING ON CULVERT PIPES.

JSK
2-1-2010

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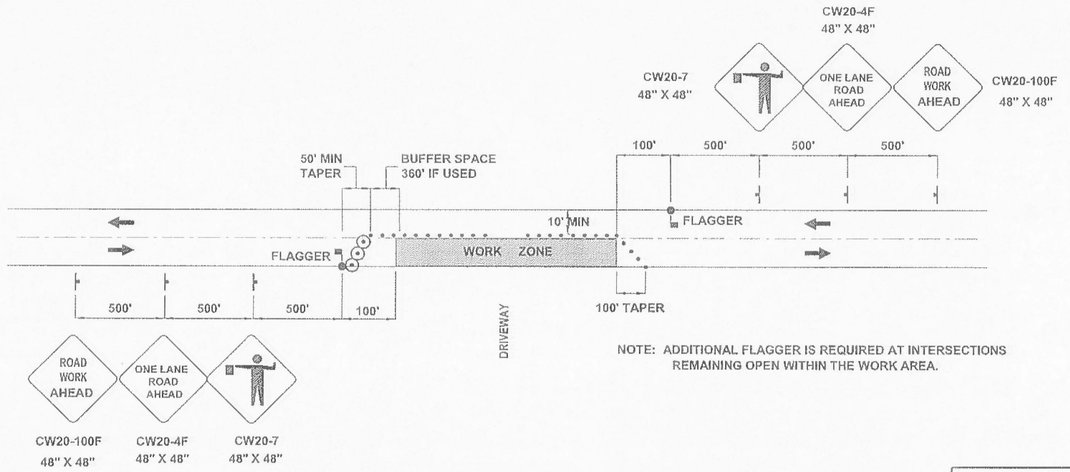
CHECKED BY: C. HOWARD	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION
DESIGNED BY: C. IVANISZEK	MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS PROJECT #68819
DRAWN BY: B. WILSON	**MISCELLANEOUS DETAILS**
PATH: Q:\PSG\68819\PLANSET\DWG\J- MISC.DETAILS.DWG	
TAB: J2 Monday, May 11, 2009 11:21:24 AM WILSON, BRIAN G (DOT)	

STATE OF ALASKA 49UP Chad A. Howard CE-10835 REGISTERED PROFESSIONAL ENGINEER 5-11-09

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			68819	2009	J2	17

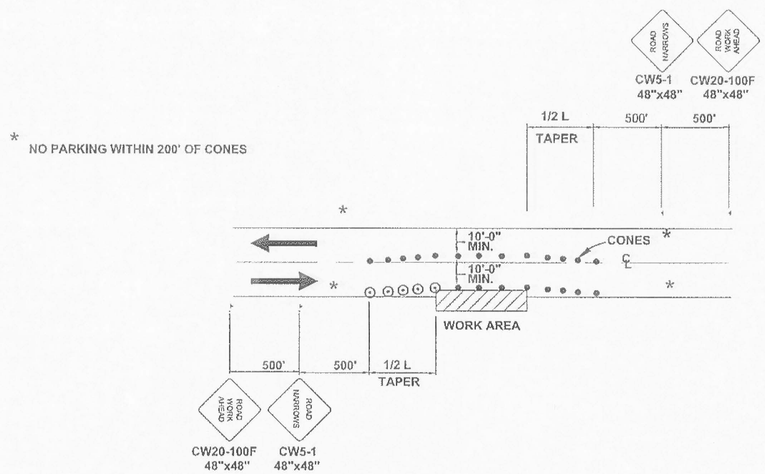


NOTE: ADDITIONAL FLAGGER IS REQUIRED AT INTERSECTIONS REMAINING OPEN WITHIN THE WORK AREA.

TWO LANE ROADWAY-SINGLE LANE CLOSURE

TRAFFIC CONTROL NOTES

1. MINIMUM OF ONE LANE SHALL REMAIN OPEN AT ALL TIMES IN WORK AREAS.
2. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
3. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
4. CHANNELIZATION DEVICES IF USED AT NIGHT SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
5. DRIVEWAYS MAY BE CLOSED DURING ACTUAL WORK ON A GIVEN DRIVEWAY, PROVIDED THAT THE CLOSURE DOES NOT EXCEED 8 HOURS AND THE AFFECTED RESIDENTS HAVE BEEN GIVEN 24 HOURS NOTICE OF THE CLOSURE.
6. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE DETAILS FROM THESE SHEETS.
7. ALL TRAFFIC CONTROL PLANS SUBMITTED BY THE CONTRACTOR SHALL BE NUMBERED. ALL TRAFFIC CONTROLL PLANS THAT USE A TYPICAL APPLICATION AS DESCRIBED IN THE MUTCD SHALL REFERENCE THE TYPICAL APPLICATION. EXAMPLE: TCP 3, MUTCD TA-10.
8. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

FORMULAS FOR L (TAPER LENGTH)

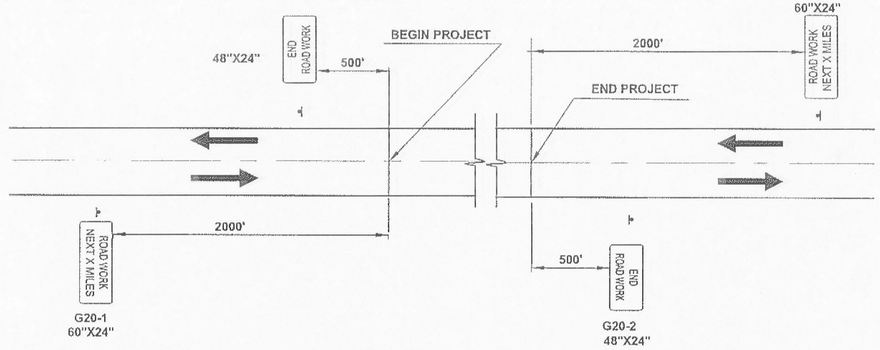
40 MPH OR LESS $L = \frac{WxS^2}{60}$

45 MPH OR GREATER $L = WxS$

WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT

DRUM OR CONE SPACING = S (IN FEET)

MIN. BUFFER	
S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485



PERMANENT CONSTRUCTION SIGNING

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

JSK
2-1-2010

CHECKED BY: C. HOWARD

STATE OF ALASKA
Chad J. Howard P.E.
CE-10835
REGISTERED PROFESSIONAL ENGINEER
5-11-09

DESIGNED BY: C. IVANISZEK
DRAWN BY: B. WILSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION

MITKOF HWY PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS
PROJECT #68819

TRAFFIC CONTROL PLAN

PATH: O:\PSG\68819\PLANSET\DWG\S-TRAFFIC CONTROL.DWG
TAB: S1 Monday, May 11, 2009 11:22:30 AM WILSON, BRIAN G (DOT)

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
68819	2009	S1	17