Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

November 3, 2015

NOTICE TO ALL CONTRACTORS:

Proposal #27: 1198-00-76, WISC 2015 433
Spooner - Minong
Whalen Lake Road – CTH T(SB)
USH 53
Washburn & Douglas Counties

Letting of November 10, 2015

This is Addendum No. 01, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
4	Traffic

Added Special Provisions	
Article No.	Description
31	Removing Raised Pavement Markers, Item 646.0790.S

Deleted Special Provisions	
Article No.	Description
12	Public Convenience and Safety

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
455.0110	Asphaltic Material PG58-34	Ton	718	-46	672
455.0135	Asphaltic Material PG58-34P	Ton	1460	-136	1324
455.0605	Tack Coat	Gal	38,581	4,328	42,909
460.1100	HMA Pavement Type E-0.3	Ton	12,052	-2,047	10,005
460.1103	HMA Pavement Type E-3	Ton	24,349	1,947	26,296
460.2000	Incentive Density HMA Pavement	Dol	24,540	-1,300	23,240
SPV.0195.02	HMA Pavement Type SMA Special	Ton	26,939	-353	26,586
SPV.0195.03	SMA Pavement Compaction Acceptance	Ton	26,939	-353	26,586

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
465.0120	Asphaltic Surface Driveways and Field Entrances	Ton	0	294	294
646.0790.S	Removing Raised Pavement Markers	Each	0	962	962

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
2	General Notes - Revised Asphaltic Pavement Layer Thicknesses
8	Typical Sections - Revised Pavement Thickness of Offset Turn Lane
9	Construction Details – Revised Preparation of FND for Asphaltic Paving Detail
10	Construction Details - Changed Pavement Type from E-0.3 to E-3
11	Construction Details - No.4 Bars revised to No.6 Bars
13	Construction Details - Changed Type E-0.3 to Asphaltic Surface DWY & FE, deleted note on butt joint detail
14	Construction Details - Changed 6” HMA Pavement to 6.25” HMA Pavement
63	Misc. Quantities - Revised Asphaltic Pavement Quantities (Pavement Type Revisions, Thicknesses, Asphaltic Material Application rate)
64	Misc. Quantities - Revised Asphaltic Pavement Quantities (Pavement Type Revisions, Thicknesses, Asphaltic Material Application rate)

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
62A	Added Removing Raised Pavement Markers Table

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

1198-00-76

November 3, 2015

Special Provisions

4. Traffic

Replace paragraph four with the following:

One lane on USH 53 may be closed for construction for up to 7.5 miles at one time. Two closures may take place simultaneously, however no more than 7.5 miles of USH 53 may be closed at one time.

12. DELETED

31. Removing Raised Pavement Markers.

A Description
This special provision describes removing raised pavement markers.

B (Vacant)

C Construction
Remove raised pavement markers as shown on the plans.

D Measurement
The department will measure Removing Raised Pavement Markers by each raised pavement marker acceptably removed.

E Payment
The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
646.0790.S	Removing Raised Pavement Markers	Each

Payment is full compensation for removing and properly disposing of raised pavement markers.
646-070 (20070904)

Schedule of Items
Attached, dated November 3, 2015, are the revised Schedule of Items Pages 2, 3, and 11.

Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 2, 8, 9, 10, 11, 13, 14, 63, and 64.
Added: 62A

END OF ADDENDUM

STANDARD ABBREVIATIONS

ABUT	ABUTMENT
AC	ACRE
AEW	APRON END WALL EXISTING
AGG	AGGREGATE
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
AECPS	APRON ENDWALL FOR CULVERT PIPE STEEL
ASPH	ASPHALTIC
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BM	BENCH MARK
BR	BRIDGE
CE	COMMERCIAL ENTRANCE
CL OR C/L OR ℄	CENTER LINE
△	CENTRAL ANGLE OR DELTA
CONC	CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CR	CREEK
CSP	CORRUGATED STEEL PIPE
CY	CUBIC YARD
C & G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DISCH	DISCHARGE
DG	DITCH GRADE
DWY	DRIVEWAY
X	EAST GRID COORDINATE
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR	END POINT OF RADIUS
EL	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS.	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FC	FACE OF CURB
FF	FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
CWT	HUNDREDWEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE ON PIN
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MH	MANHOLE
MOR	MID POINT OF RADIUS
NC	NORMAL CROWN
NO	NUMBER
OBLIT	OBLITERATE
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
PVRC	POINT OF VERTICAL REVERSE CURVE
QOR	QUARTER POINT OF RADIUS
R	RADIUS
RCCP	REINFORCED CONCRETE CULVERT PIPE
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RDWY	ROADWAY
R/L OR ℞	REFERENCE LINE
SALV	SALVAGED
SAN	SANITARY SEWER
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SE	SUPERELEVATION RATE
TC	TOP OF CURB
T OR TN	TOWN
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
Y	NORTH GRID COORDINATE
YD	YARD

UTILITY CONTACTS

DAHLBERG LIGHT AND POWER COMPANY - ELECTRICITY
9221 E MAIN
P.O. BOX 300
SOLON SPRING, WI 54873-0300
(715) 378-2205
ATTENTION: JAMES DAHLBERG

EAST CENTRAL ENERGY - ELECTRICITY
P.O. BOX 39
BRAHAM, MN 55006-0039
(715) 399-6162
ATTENTION: VERN JOHNSON

CENTURYLINK
20 S WILSON AVENUE
RICE LAKE, WI 54868
(715) 234-5528
ATTENTION: MONTE PARKER
EMAIL: MONTY.PARKER@CENTURYTEL.COM

CHARTER COMMUNICATION
2304 S MAIN STREET
RICE LAKE, WI 54868
TELEPHONE: 715-234-5341 EXT 252
ATTENTION: TOM HAASE
EMAIL: TOM.HAASE@CHARTER.COM

GREAT RIVER ENERGY - ELECTRICITY
12300 ELM CREEK BLVD
MAPLE GROVE, MN 55369-4718
(763) 445-5977
ATTENTION: MICHELLE LOMMEL
EMAIL: MLOMMEL@GRENERGY.COM

MINONG VILLAGE OF WATER UTILITY - WATER
123 5TH AVENUE
P.O. BOX 8
MINONG, WI 54859-0008
(715)466-2322
ATTENTION: BILL HALLOCK
EMAIL: VILLAGEOFMINONG@CENTURYTEL.NET

PACKERLAND BROADBAND - COMMUNICATION LINE
PO BOX 190
IRON MOUNTAIN, MI 49801
TELEPHONE: 906) 282-3768
ATTENTION: WAYNE CRETTON
EMAIL: WAYNE.CRETTON@PLBB.US

WE ENERGIES
ROOM A299
333 WEST EVERETT STREET
MILWAUKEE, WI 53203
(414) 221-5617
ATTENTION: LATROY BRUMFIELD
EMAIL: LATROY.BRUMFIELD@WE-ENERGIES.COM
ATTENTION: LEWIS KNAPP - FIELD CONTACT
(715) 234-9605
EMAIL: LEWIS.KNAPP@WE-ENERGIES.COM

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE APPROXIMATE USGS DATUM.

WHEN THE QUANTITY OF BASE AGGREGATE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 4-INCH SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED.

THE LOCATION OF ALL DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

ALL CURB AND GUTTER RADII, PAVEMENT DIMENSIONS AND STATIONS ARE SHOWN TO THE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.

ALL SIDE ROAD EARTHWORK QUANTITIES ARE INCLUDED IN MAINLINE EARTHWORK QUANTITIES.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.

SUPER ELEVATION WILL MATCH EXISTING SUPERELEVATION RATES, CONTRACTOR SHALL PAVE DEPTHS AS SHOWN AND MATCH EXISTING CONDITIONS.

ASPHALTIC PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYER THICKNESSES:

PAVEMENT THICKNESS (INCH)	LEVELING (INCH)	LEVELING (INCH)	UPPER (INCH)
3.25	1.5		1.75
4	2.25		1.75
6.25	2.25	2.25	1.75

USH 53 INSIDE MEDIAN (3') SHOULDERS MAY BE PAVED WITH MAINLINE LANES, WITH APPROVAL FROM THE ENGINEER AND SHALL BE SUBJECT TO ONLY STANDARD COMPACTION.

3.25 IN HMA PAVEMENT TYPE E-0.3 (OUTSIDE USH 53 SHOULDERS) MAY BE PAVED IN ONE OR TWO LAYERS.

1.5 IN ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A SINGLE LAYER.

1.75 IN ASPHALTIC SURFACE SHALL BE CONSTRUCTED WITH A SINGLE LAYER.

CONTRACTOR MAY USE EITHER 9.5MM OR 12.5MM MIXES FOR ANY LAYER.

BEARINGS SHOWN ON THE PLAN ARE REFERENCED TO THE EXISTING ROADWAY CENTERLINE AND ARE ASSUMED.

EXISTING PIPE CULVERT SIZES SHOWN ARE APPROXIMATE AND THE CONTRACTOR SHALL BASE ITS BID ON ACTUAL FIELD CONDITIONS.

STATIONING, DISTANCES AND OFFSETS FOR PROPOSED SIGNS SHOWN ON THE PLAN ARE APPROXIMATE, ACTUAL LOCATIONS OF SIGNS ARE TO BE COORDINATED IN THE FIELD WITH THE ENGINEER.

Addendum No. 01
ID 1198-00-76
Revised Sheet 2
November 3, 2015

SUMMARY OF DETAIL SHEETS

NW REGION CONTACT

LT. NICK WARNINK
SGT. STEVE TAPE (EXT.108)-SPEED ENFORCEMENT BARS
STATE PATROL DIVISION OF DISTRICT 6
5009 USH 53 SOUTH
EAU CLAIRE, WI 54701
PHONE: 715-839-3800
EMAIL: STEVEN.TAPE@DOT.WI.GOV

DNR LIAISON

STATE OF WISCONSIN
NORTHWEST DISTRICT
HWY 70 WEST
PO BOX 309
SPOONER, WI 54801
TELEPHONE 715-635-4229
ATTENTION: AMY CRONK
EMAIL: AMY.CRONK@WISCONSIN.GOV

DESIGN CONTACT

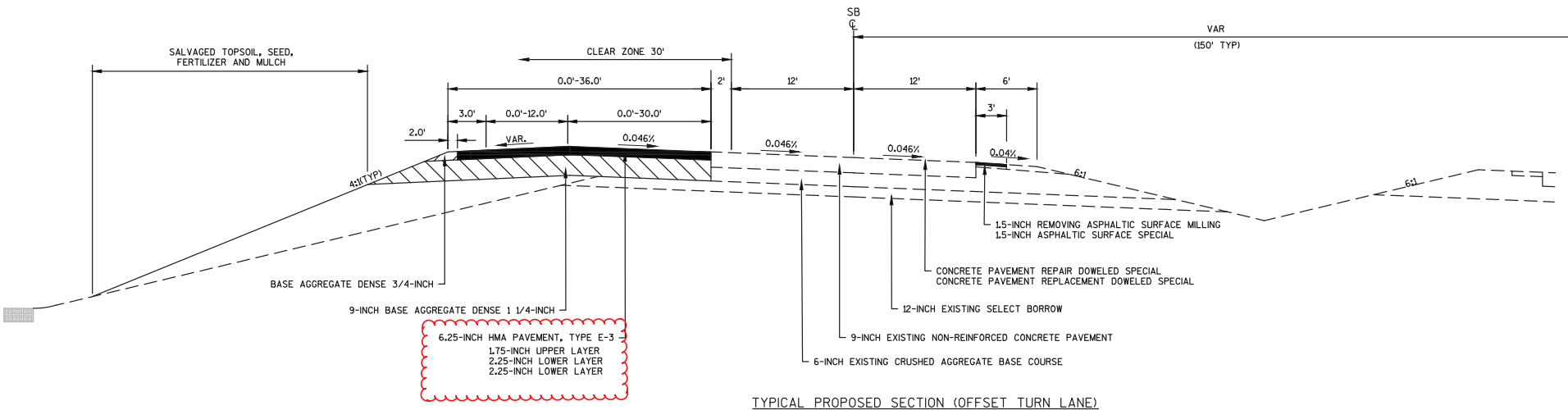
SEH INC.
10 NORTH BRIDGE STREET
CHIPPEWA FALLS WI 54729
TELEPHONE: 715-720-6261
ATTENTION: JARROD STARREN
EMAIL: JSTARREN@SEHINC.COM

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

PROJECT NO: 1198-00-76	HWY: USH 53	COUNTY: WASHBURN/DOUGLAS	GENERAL NOTES	SHEET 2	E

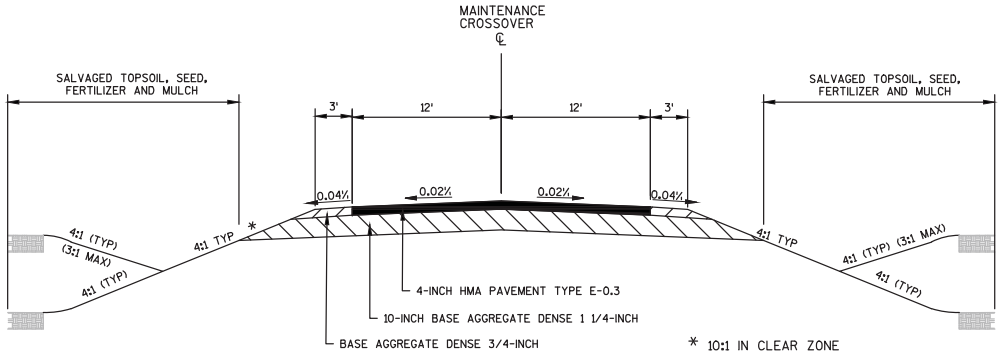
FILE NAME : P:\UZ\W\WITNW\130199\C3D\11980076\SHEETSPLAN\020101-GN.DWG PLOT DATE : 10/28/2015 5:33 PM PLOT BY : BILL MCELROY PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42



TYPICAL PROPOSED SECTION (OFFSET TURN LANE)

U.S.H 53
STA 689+87 TO STA 696+50



TYPICAL PROPOSED SECTION (MAINTENANCE CROSSOVER)

STA 85+15 TO STA 88+65

Addendum No. 01
ID 1198-00-76
Revised Sheet 8
November 3, 2015

PROJECT NO: 1198-00-76	HWY: USH 53	COUNTY: WASHBURN/DOUGLAS	TYPICAL SECTIONS	SHEET 8	E

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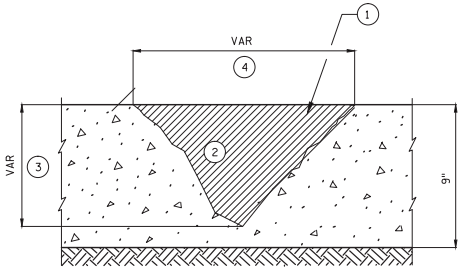
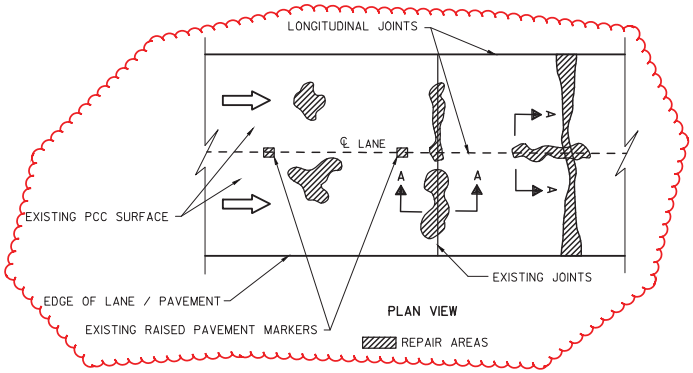


SECTION A-A



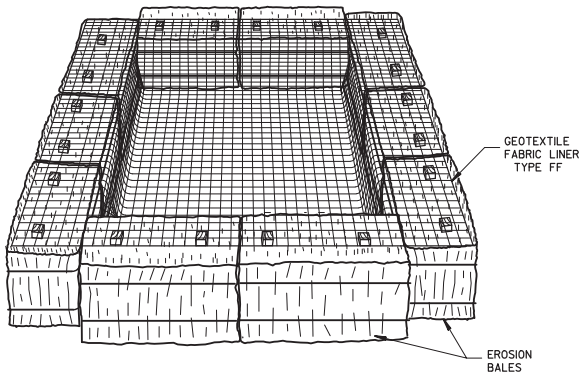
PLAN VIEW

PREPARATION OF FOUNDATION FOR ASPHALT PAVING SPECIAL

CLEANING AND REPAIRING DISTRESSED PCC AREAS

NOTES:

1. PRIOR TO THE LEVELING LAYER PLACEMENT, REMOVE ALL CONCRETE, ASPHALT AND ANY UNSOUND MATERIAL FROM TRANSVERSE AND LONGITUDINAL JOINTS AND RANDOM CRACKS. LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. ASPHALTIC SURFACE PATCHING SHALL BE PLACED IN THE JOINT REPAIR AREAS AND IN REMOVING RAISED PAVEMENT MARKERS LOCATIONS. THE PATCHING SHALL BE COMPACTED IN LIFTS (2 LIFTS MINIMUM) UNTIL FLUSH WITH THE SURFACE OF THE CONCRETE. ASPHALTIC SURFACE PATCHING PAID SEPARATELY FROM PREPARATION OF FOUNDATION FOR ASPHALT PAVING SPECIAL ITEM.
3. DEPTH VARIES FROM A MINIMUM DEPTH OF 4-INCH TO A FULL DEPTH JOINT AS CONDITIONS DICTATE.
4. APPROXIMATE WIDTH OF JOINTS OR CRACK REPAIR VARIES. BY THE CONTRACTOR IS RECOMMENDED TO REVIEW THE PROJECT SITE TO CONFIRM THE JOINT CONDITIONS PRIOR TO BIDDING.



TEMPORARY SETTLING BASIN

(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (C.F.) = 16 X GPM (PUMP RATE)

EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.

SOLUTION:
SV (C.F.) = 16 X 50
SV = 800 C.F.

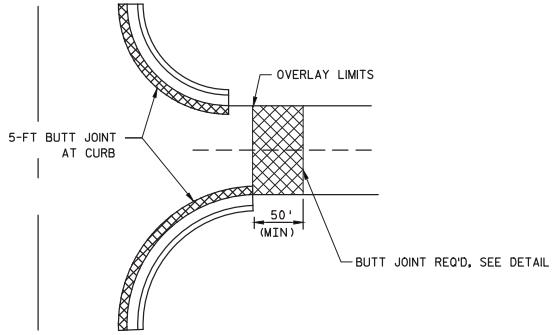
$\frac{800\ C.F.}{1.5\ FT.}$ = 533 S.F.

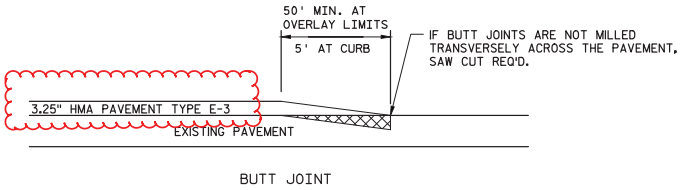
USE A 20 FT. X 27 FT. BASIN

* INCIDENTAL TO THE CONTRACT AS NOTED IN THE DEWATERING SPECIAL PROVISION

Addendum No. 01
ID 1198-00-76
Revised Sheet 9
November 3, 2015

PROJECT NO: 1198-00-76	HWY: USH 53	COUNTY: WASHBURN/DOUGLAS	CONSTRUCTION DETAILS	SHEET 9	E



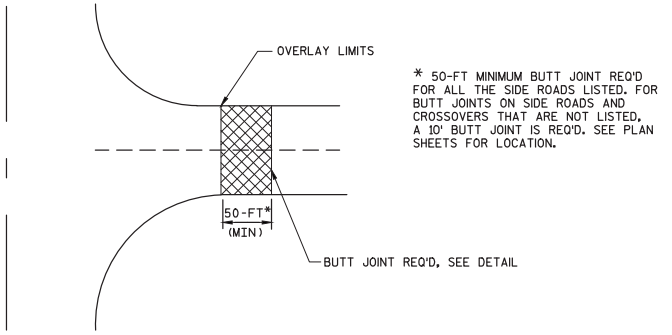


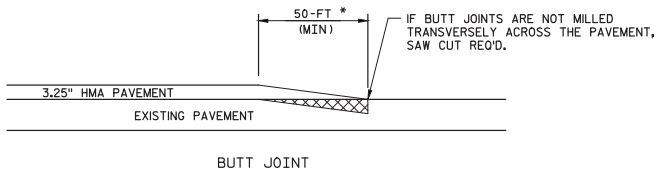
BUTT JOINT

PAID FOR AS REMOVING ASPHALTIC SURFACE BUTT JOINTS

SIDE ROAD WITH CURB BUTT JOINT

BARRETT ROAD
CTH F
CTH T





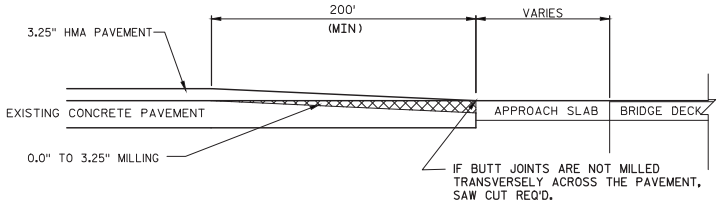
BUTT JOINT

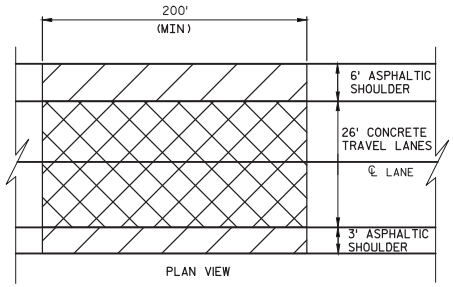
PAID FOR AS REMOVING ASPHALTIC SURFACE BUTT JOINTS

SIDE ROAD WITHOUT CURB BUTT JOINT

OAKRIDGE DR
BIRCHWOOD DR
PALMER DR
BROOKLYN RD
BLOCK DR
TRANSFER ST
LAKESIDE RD

Addendum No. 01
ID 1198-00-76
Revised Sheet 10
November 3, 2015





PAID AS REMOVING PAVEMENT - BUTT JOINT

PAID AS REMOVING ASPHALTIC SURFACE - BUTT JOINT

MAINLINE BRIDGE APPROACH

PROJECT NO: 1198-00-76	HWY: USH 53	COUNTY: WASHBURN/DOUGLAS	CONSTRUCTION DETAILS	SHEET 10	E

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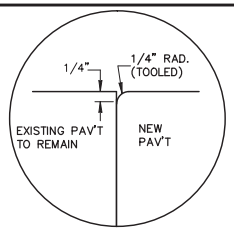
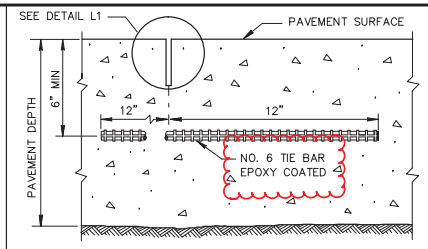
WISDOT/CADDS SHEET 42



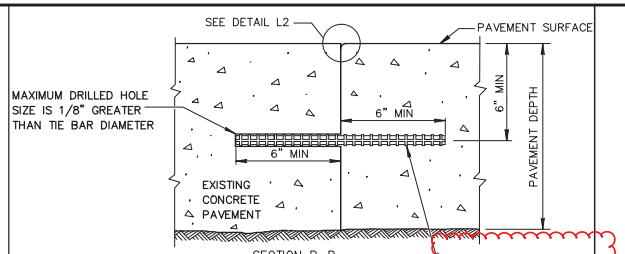
C2

TRANSVERSE JOINTS



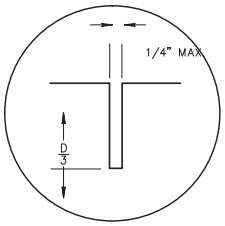
SECTION A-A

SAWED LONGITUDINAL JOINT

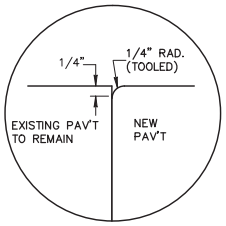


SECTION B-B

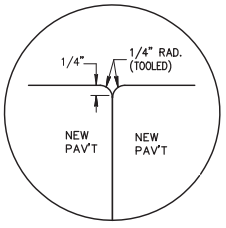
TIE BARS ANCHORED INTO EXISTING PAVEMENT



L1/C1



L2

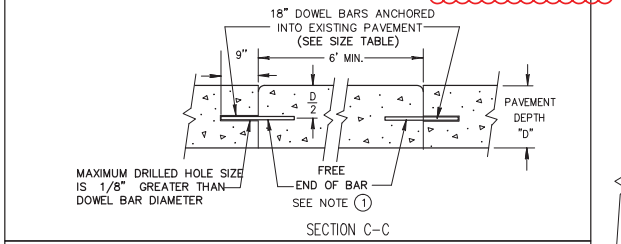


L3

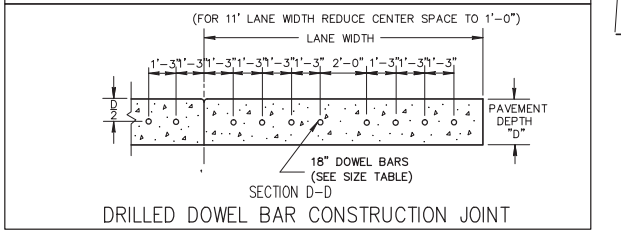
LONGITUDINAL JOINTS

TIE BAR TABLE

PAVEMENT DEPTH "D"	CLEAR COVER "C"	MAXIMUM TIE BAR SPACING "S"	
		PAVEMENT WIDTH	
		24' OR 26'	≥30'
8, 8 1/2"	3 3/4"\1"	39"	30"
9, 9 1/2"	4 1/4"\1"	33"	27"
10, 10 1/2"	4 3/4"\1"	30"	24"



SECTION C-C



SECTION D-D

DRILLED DOWEL BAR CONSTRUCTION JOINT

GENERAL NOTES

CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

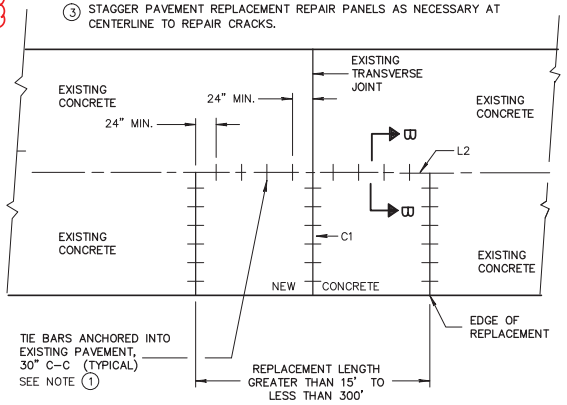
DO NOT SEAL OR FILL JOINTS. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

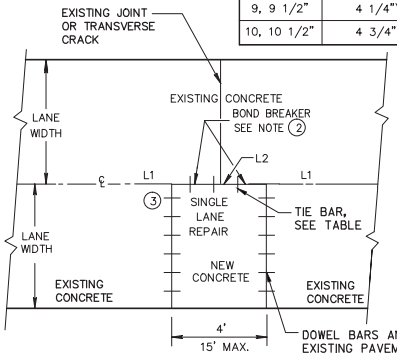
(2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.

(3) STAGGER PAVEMENT REPLACEMENT REPAIR PANELS AS NECESSARY AT CENTERLINE TO REPAIR CRACKS.



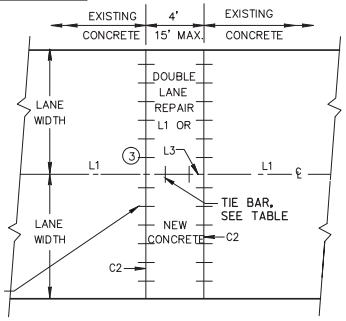
PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT



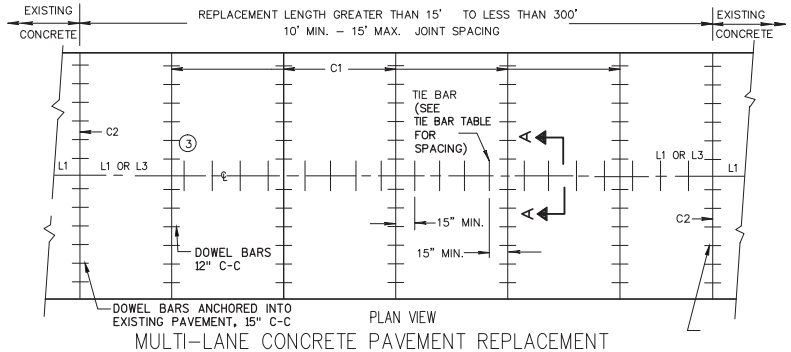
PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPLACEMENT

DOWEL BARS ANCHORED INTO EXISTING PAVEMENT 15" C-C

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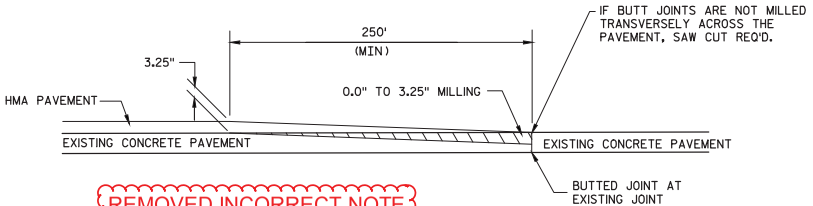
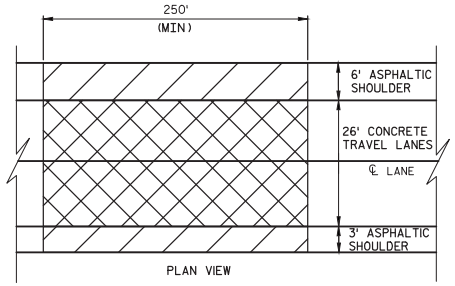
CONCRETE PAVEMENT REPAIR DOWELED SPECIAL AND CONCRETE PAVEMENT REPLACEMENT DOWELED SPECIAL DETAILS

PROJECT NO: 1198-00-76	HWY: USH 53	COUNTY: WASHBURN/DOUGLAS	CONSTRUCTION DETAILS	SHEET 11	E



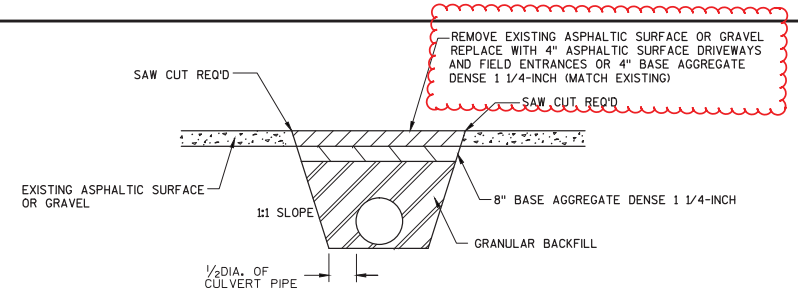
REMOVED INCORRECT NOTE

MAINLINE BUTT JOINT



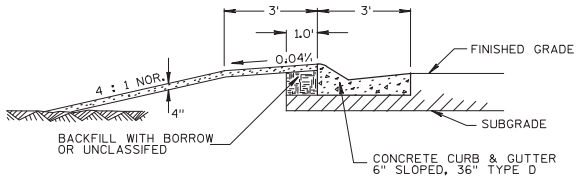
PAID AS REMOVING PAVEMENT - BUTT JOINT

PAID AS REMOVING ASPHALTIC SURFACE - BUTT JOINT



DETAIL FOR CULVERT PIPE INSTALLATION
IN AREAS OF EXISTING PAVEMENT

STA 183+85 LT
STA 310+62 LT
STA 842+30 LT
STA 850+74 LT
STA 867+76 LT



BERM DETAIL BEHIND CURB & GUTTER 6" SLOPED, 36" TYPE D

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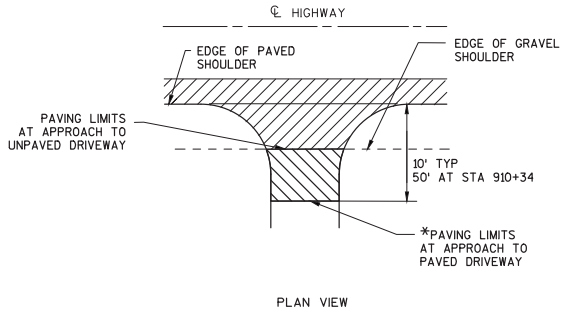
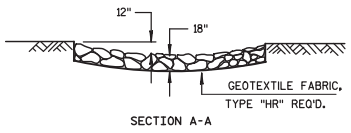
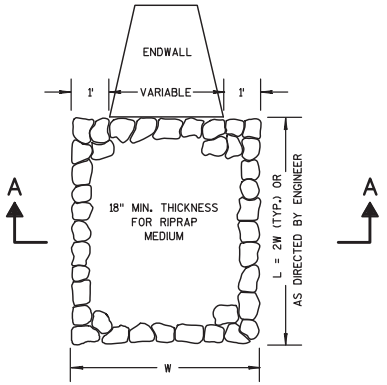
Revised Sheet 13
November 3, 2015



*WHERE DRIVEWAY IS PAVED, A BUTT JOINT IS TO BE PLACED. BUTT JOINT WILL BE 10' TYPICAL (50' AT STA 910+34) FROM EDGE OF PAVED SHOULDER. PAID UNDER BID ITEM, REMOVING ASPHALTIC SURFACE BUTT JOINTS.

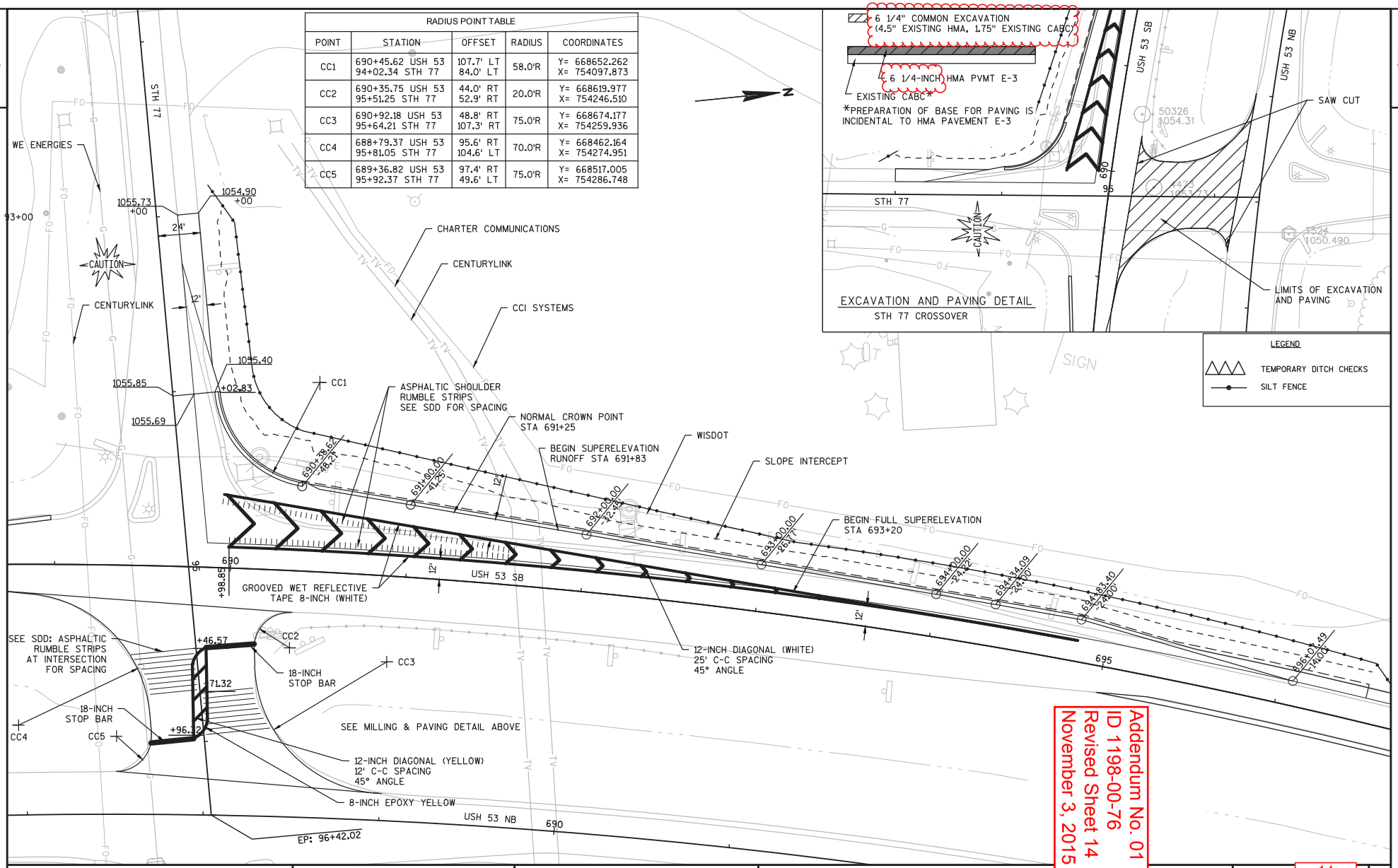
RURAL DRIVEWAY INTERSECTION DETAIL





RIPRAP MEDIUM TREATMENT AT CULVERTS

PROJECT NO: 1198-00-76	HWY: USH 53	COUNTY: WASHBURN/DOUGLAS	CONSTRUCTION DETAILS	SHEET 13	E



PROJECT NO: 1198-00-76	HWY: USH 53	COUNTY: WAHSBURN/DOUGLAS	INTERSECTION DETAIL	SHEET 14	E

FILE NAME : P:\UZW\WITNW\130199\C3D\11980076\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021101-ID - PLAN 1 IN 50 FT
PLOT DATE : 10/28/2015 5:18 PM PLOT BY : BILL MCELROY PLOT NAME : PLOT SCALE : 1:50_XREF

REMOVING RAISED PAVEMENT MARKERS

*

STATION		STATION	LOCATION	646.0790.S EACH	REMARKS
PROJECT 1198-00-76					
SB USH 53					
39+87	-	53+67	LT	14	PROJECT BEGIN - WHALEN LAKE RD
53+67	-	79+90	LT	26	WHALEN LAKE RD - BARRETT RD
79+90	-	106+01	LT	26	BARRETT RD - SCHNAGEL RD
106+01	-	183+75	LT	78	SCHNAGEL RD - OAKRIDGE DR
183+75	-	245+60	LT	62	OAKRIDGE RD - CTH F EAST
245+60	-	256+45	LT	11	CTH F EAST - CTH F WEST
256+45	-	283+65	LT	27	CTH F WEST - BIRCHWOOD RD
283+65	-	310+53	LT	27	BIRCHWOOD RD - PALMER DR
310+53	-	553+50	LT	243	PALMER DR - BROOKLYN RD
553+50	-	595+28	LT	42	BROOKLYN RD - W BLOCK RD
595+28	-	622+74	LT	27	W BLOCK RD - TRANSFER ST
622+74	-	644+59	LT	22	TRANSFER ST - BUS 53
644+59	-	689+76	LT	45	BUS 53 - STH 77
689+76	-	705+40	LT	16	STH 77 - WALLACE ST
705+40	-	721+68	LT	16	WALLACE ST - SHELL CREEK RD
721+68	-	842+22	LT	121	SHELL CREEK RD - LAKESIDE RD (NORTH)
842+22	-	867+54	LT	25	LAKESIDE RD (NORTH) - NORTHWOODS SCHOOL D/W
867+54	-	979+92	LT	112	NORTHWOODS SCHOOL D/W - CTH T
979+92	-	1002+25	LT	22	CTH T - PROJECT END
ITEM TOTAL				962	

* PATCHING HOLE AFTER REMOVAL IS INCIDENTAL TO THE ITEM REMOVING RAISED PAVEMENT MARKERS

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ID 1198-00-76
Added Sheet 62A
November 3, 2015

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CHANGED TURN LANES TO BE PAVED AS E-3 INSTEAD OF SMA. SEE REVISED PG 64

HMA PAVEMENT - MAINLINE

STATION	-	STATION	LOCATION	455.0135 * ASPHALTIC MATERIAL PG58-34P TON	455.0605 * TACK COAT GAL	460.1103 * TYPE E-3 TON	465.0110 ASPHALTIC SURFACE PATCHING TON	SPV.0170.01 REHEATING LONGITUDINAL JOINTS SPECIALS LF	SPV.0195.02 TYPE SMA SPECIAL TON	SPV.0195.03 SMA PAVEMENT COMPACTION ACCEPTANCE TON	REMARKS
PROJECT 1198-00-76											
SB USH 53											
39+87	-	53+68	LT/RT	21	534	374		14	428	428	PROJECT BEGIN - WHALEN LAKE RD
53+68	-	79+89	LT/RT	39	1014	710		26	814	814	WHALEN LAKE RD - BARRETT RD
79+89	-	106+00	LT/RT	39	1010	707		26	810	810	BARRETT RD - SCHNAGEL RD
106+00	-	183+75	LT/RT	116	3009	2106		78	2413	2413	SCHNAGEL RD - OAKRIDGE DR
183+75	-	245+57	LT/RT	92	2391	1674		62	1918	1918	OAKRIDGE RD - CTH F EAST
245+57	-	256+40	LT/RT	16	419	293		11	336	336	CTH F EAST - CTH F WEST
256+40	-	283+65	LT/RT	41	1054	738		27	845	845	CTH F WEST - BIRCHWOOD RD
283+65	-	310+57	LT/RT	40	1041	728		27	835	835	BIRCHWOOD RD - PALMER DR
310+57	-	553+50	LT/RT	362	9393	6575		243	7534	7534	PALMER DR - BROOKLYN RD
553+50	-	595+27	LT/RT	62	1614	1130		42	1294	1294	BROOKLYN RD - W BLOCK RD
595+27	-	622+72	LT/RT	41	1061	743		27	851	851	W BLOCK RD - TRANSFER ST
622+72	-	627+00	LT/RT	6	165	115		4	132	132	TRANSFER ST - END SOUTH OVERLAY SECTION
727+50	-	778+00	LT/RT	75	1950	1365		51	1564	1564	BEGIN NORTH OVERLAY SECTION - LAKESIDE RD
778+00		842+22	LT/RT	96	2483	1738		64	1992	1992	LAKESIDE RD - LAKESIDE RD
842+22	-	860+27	LT/RT	27	696	487		18	558	558	LAKESIDE RD - TOTAGATIC RIVER BRIDGE (SOUTH APPROACH)
864+10	-	979+92	LT/RT	172	4475	3132		116	3589	3589	TOTAGATIC RIVER BRIDGE (NORTH APPROACH) - CTH T
979+92	-	1001+60	LT/RT	32	839	588		22	673	673	CTH T - PROJECT END
689+87	-	696+50	LT	30	285	554		0	0	0	STH 77 TURN LANE - NEW CONSTRUCTION
688+68	-	690+90	RT	17	163	317		0	0	0	STH 77 MEDIAN CROSSOVER
39+87	-	1001+60	LT/RT				1500				MAINLINE PATCHING AS NEEDED
TOTAL				1324	33596	24074	1500	858	26586	26586	

SMA CALCULATED AT 110 LBS/(SY*IN) CALCULATED AT 29' WIDTH
HMA E-3 CALCULATED AT 112 LBS/(SY*IN)

*SHOWN ELSEWHERE IN PLAN

REVISED SHOULDER QUANTITIES

HMA PAVEMENT - SHOULDERS & MAINTENANCE CROSSOVER

STATION	-	STATION	LOCATION	455.0110 * ASPHALTIC MATERIAL PG58-34 TON	455.0605 * TACK COAT GAL	460.1100 TYPE E-0.3 TON	REMARKS
PROJECT 1198-00-76							
SB USH 53							
39+87	-	53+68	LT/RT	9	56	170	PROJECT BEGIN - WHALEN LAKE RD
53+68	-	79+89	LT/RT	17	101	305	WHALEN LAKE RD - BARRETT RD
79+89	-	106+00	LT/RT	16	94	286	BARRETT RD - SCHNAGEL RD
106+00	-	183+75	LT/RT	52	310	939	SCHNAGEL RD - OAKRIDGE DR
183+75	-	245+57	LT/RT	41	245	743	OAKRIDGE RD - CTH F EAST
245+57	-	256+40	LT/RT	7	40	122	CTH F EAST - CTH F WEST
256+40	-	283+65	LT/RT	15	92	279	CTH F WEST - BIRCHWOOD RD
283+65	-	310+57	LT/RT	16	97	293	BIRCHWOOD RD - PALMER DR
310+57	-	553+50	LT/RT	161	962	2919	PALMER DR - BROOKLYN RD
553+50	-	595+27	LT/RT	27	160	485	BROOKLYN RD - W BLOCK RD
595+27	-	622+72	LT/RT	17	102	308	W BLOCK RD - TRANSFER ST
622+72	-	627+00	LT/RT	2	14	41	TRANSFER ST - END SOUTH OVERLAY SECTION
727+50	-	778+00	LT/RT	34	203	616	BEGIN NORTH OVERLAY SECTION - LAKESIDE RD
778+00		842+22	LT/RT	42	253	767	LAKESIDE RD - LAKESIDE RD
842+22	-	860+27	LT/RT	11	68	208	LAKESIDE RD - TOTAGATIC RIVER BRIDGE (SOUTH APPROACH)
864+10	-	979+92	LT/RT	72	431	1306	TOTAGATIC RIVER BRIDGE (NORTH APPROACH) - CTH T
979+92	-	1001+60	LT/RT	12	72	218	CTH T - PROJECT END
MAINTENANCE CROSSOVER							
421+65			RT	12	119	222	
TOTAL				551	3300	10005	

HMA E-0.3 CALCULATED AT 112 LBS/(SY*IN)

*SHOWN ELSEWHERE IN PLAN

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ID 1198-00-76
Revised Sheet 63
November 3, 2015

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

HMA PAVEMENT - SIDE ROADS AND CROSSOVERS

CHANGED TURN LANES TO BE PAVED AS E-3 AND DRIVEWAYS AS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

STATION	LOCATION	* 455.0110 ASPHALTIC MATERIAL PG58-34 TON	* 455.0605 TACK COAT GAL	* 460.1103 TYPE E-3 TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTR. TON	REMARKS
PROJECT 1198-00-76						
SB USH 53						
53+68	RT	1	7	21		WHALEN LAKE RD
59+93	LT		2		8	DRIVEWAY
79+89	LT/RT	10	62	188		BARRETT RD & TURN LANE
106+00	RT	1	6	17		SCHNAGEL RD
132+16	RT		6		19	DRIVEWAY CROSSOVER
183+75	LT/RT	7	41	124		OAKRIDGE RD
210+06	RT		7		21	DRIVEWAY CROSSOVER
236+51	RT		8		25	DRIVEWAY CROSSOVER
245+57	RT	6	36	110		CTH F EAST & TURN LANE
256+40	LT/RT	14	83	251		CTH F WEST & TURN LANE
283+65	LT/RT	8	46	140		BIRCHWOOD DR
291+95	RT		5		16	DRIVEWAY CROSSOVER
310+57	LT/RT	7	44	133		PALMER DR
498+34	RT	7	45	136		REST AREA CROSSOVER & TURN LANE
522+55	RT		7		20	DRIVEWAY CROSSOVER
553+50	LT/RT	6	37	111		BROOKLYN RD
595+27	LT/RT	5	33	99		BLOCK DR
622+72	LT/RT	7	40	120		TRANSFER ST
759+64	RT		6		19	DRIVEWAY CROSSOVER
778+00	RT	1	6	18		LAKESIDE RD
795+24	RT		7		20	DRIVEWAY CROSSOVER
842+22	LT/RT	7	44	135		LAKESIDE RD
850+77	RT		6		19	DRIVEWAY CROSSOVER
867+34	RT		7		21	DRIVEWAY CROSSOVER
881+34	RT		6		19	DRIVEWAY CROSSOVER
889+83	RT		6		18	DRIVEWAY CROSSOVER
910+47	LT/RT	14	87	263		NORTHWOODS SCHOOL DRIVEWAY & TURN LANE
922+50	RT		5		16	DRIVEWAY CROSSOVER
932+32	RT		4		13	DRIVEWAY CROSSOVER
979+92	LT/RT	20	117	356		CTH T & TURN LANES
CULVERT REPLACEMENTS						
183+85	LT		8		14	
310+62	LT		5		10	
842+30	LT		8		16	
TOTAL		121	837	2222	294	

HMA E-3 & ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES CALCULATED AT 112 LBS/(SY*IN)

*SHOWN ELSEWHERE IN PLAN

ASPHALTIC SURFACE - SHOULDERS

STATION	-	STATION	LOCATION	* 455.0605 TACK COAT GAL	SPV.0195.01 ASPHALTIC SURFACE SPECIAL TON	REMARKS
PROJECT 1198-00-76						
SB USH 53						
627+00	-	644+63	LT/RT	1037	145	BEGIN CONCRETE REPAIR SECTION - BUS 53
644+63	-	689+76	LT/RT	2516	352	BUS 53 - STH 77
689+76	-	705+37	LT/RT	538	75	STH 77 - WALLACE RD
705+37	-	721+70	LT/RT	864	121	WALLACE RD - SHELL CREEK RD
721+70	-	727+50	LT	221	31	SHELL CREEK RD - END CONCRETE REPAIR SECTION
TOTAL				5176	724	

ASPHALTIC SURFACE CALCULATED AT 112 LBS/(SY*IN)

*SHOWN ELSEWHERE IN PLAN

REVISED TOTALS TO REFLECT OTHER CHANGES

HMA PAVEMENT & ASPHALTIC SURFACE

	455.0110 ASPHALTIC MATERIAL PG58-34 TON	455.0135 ASPHALTIC MATERIAL PG58-34P TON	455.0605 TACK COAT GAL	460.1100 TYPE E-0.3 TON	460.1103 TYPE E-3 TON	465.0110 ASPHALTIC SURFACE PATCHING TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS & FIELD ENTR. TON	SPV.0195.01 ASPHALTIC SURFACE SPECIAL TON	SPV.0195.02 TYPE SMA SPECIAL TON	SPV.0195.03 SMA PAVEMENT COMPACTION ACCEPTANCE TON
ITEM TOTALS FOR PROJECT	672	1324	42909	10005	26296	1500	294	724	26586	26586

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

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ID 1198-00-76
Revised Sheet 64
November 3, 2015

CONTRACT: 20151110027 PROJECT(S): 1198-00-76 FEDERAL ID(S): WISC 2015433

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0110	213.0100 Finishing Roadway (project) 01. 1198-00-76	1.000 EACH		.		.
0120	305.0110 Base Aggregate Dense 3/4-Inch	25,000.000 TON		.		.
0130	305.0120 Base Aggregate Dense 1 1/4-Inch	2,275.000 TON		.		.
0140	305.0500 Shaping Shoulders	1,918.000 STA		.		.
0150	415.1090 Concrete Pavement HES 9-Inch	88.000 SY		.		.
0160	415.1410 Concrete Pavement Approach Slab HES	88.000 SY		.		.
0170	416.0610 Drilled Tie Bars	1,796.000 EACH		.		.
0180	416.0620 Drilled Dowel Bars	3,648.000 EACH		.		.
0190	440.4410.S Incentive IRI Ride	65,240.000 DOL	1.00000		65240.00	
0200	455.0110 Asphaltic Material PG58-34	672.000 TON		.		.
0210	455.0135 Asphaltic Material PG58-34P	1,324.000 TON		.		.

CONTRACT: 20151110027 PROJECT(S): 1198-00-76 FEDERAL ID(S): WISC 2015433

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
0220	455.0605 Tack Coat	42,909.000 GAL		.		.
0230	460.1100 HMA Pavement Type E-0.3	10,005.000 TON		.		.
0240	460.1103 HMA Pavement Type E-3	26,296.000 TON		.		.
0250	460.2000 Incentive Density HMA Pavement	23,240.000 DOL	1.00000		23240.00	
0260	465.0110 Asphaltic Surface Patching	1,500.000 TON		.		.
0270	465.0400 Asphaltic Shoulder Rumble Strips	181,589.000 LF		.		.
0280	465.0450 Asphaltic Intersection Rumble Strips	161.000 SY		.		.
0290	520.7000 Cleaning Culvert Pipes	37.000 EACH		.		.
0300	521.0118 Culvert Pipe Corrugated Steel 18-Inch	200.000 LF		.		.
0310	521.0124 Culvert Pipe Corrugated Steel 24-Inch	152.000 LF		.		.
0320	521.1018 Apron Endwalls for Culvert Pipe Steel 18-Inch	8.000 EACH		.		.

CONTRACT: 20151110027 PROJECT(S): 1198-00-76 FEDERAL ID(S): WISC 2015433

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
1060	SPV.0195 Special 02. HMA Pavement Type SMA Special	26,586.000 TON		.		.
1070	SPV.0195 Special 03. SMA Pavement Compaction Acceptance	26,586.000 TON		.		.
1080	465.0120 Asphaltic Surface Driveways and Field Entrances	294.000 TON		.		.
1090	646.0790.S Removing Raised Pavement Markers	962.000 EACH		.		.
	SECTION 0001 TOTAL					.
	TOTAL BID					.