

**GENERAL NOTES**

- PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. THE CONTRACTOR, HOWEVER, WILL BE PAID FOR THE ACTUAL QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- THE THICKNESS OF HOT MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT MIX ASPHALT MIXTURE IS PLACED.
- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:
 

ALL HOT MIX ASPHALT	112.0 POUNDS/SQ. YD./INCH
ALL AGGREGATE AND RIPRAP BEDDING	2.05 TONS/CU.YD.
BITUMINOUS MATERIALS:	
ON PAVEMENT	0.09 GAL./SQ.YD.
INTERMEDIATE LIFTS (FOG COAT)	0.04 GAL./SQ.YD.
ON AGGREGATE SURFACE	0.32 GAL./SQ.YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ.YD.
RIPRAP	1.50 TONS/CU.YD.
- AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
- RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.
- STRUCTURES WITH PROJECT LIMITS
 

<u>STRUCTURE NO.</u>	<u>OPERATING RATING</u>	<u>INVENTORY RATING</u>	<u>POSTING</u>
S.N. 068-3232 (EXISTING SUPER-STRUCTURE TO BE REMOVED AND REPLACED)	HS 27.3	HS 20.0	40 TONS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATION. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. (811 DIRECT NUMBER)
 

THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN IS FOR THE CONTRACTOR'S INFORMATION ONLY AND IS NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR OR SUBCONTRACTOR TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.

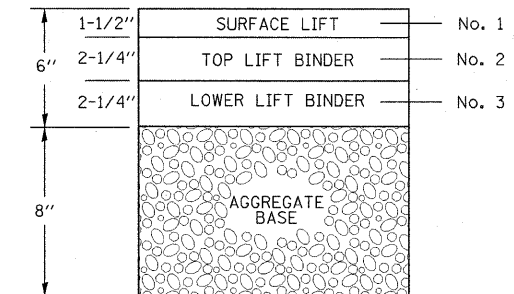
ALL UTILITY FACILITIES THAT REQUIRE RELOCATION WITHIN COUNTY R.O.W. SHALL BE COMPLETED BY THE UTILITY COMPANY UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
- ANY REFERENCE WITHIN THESE PLANS TO A STANDARD SHALL BE INTERPRETED TO MEAN THE EDITION INDICATED BY THE SUB-NUMBER LISTED ON THE THIS SHEET OR THE COPY INCLUDED IN THESE PLANS.
- IDNR/OWR HAS ISSUED PERMIT DS2010027 FOR CONSTRUCTION OF THIS PROJECT.
- WHERE SECTION OR SUB-SECTION STONES OR PROPERTY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE STONES ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN AUTHORIZED SURVEYOR HAS WITNESSED THEIR LOCATION.

**COMMITMENTS**

NONE IDENTIFIED AS OF MARCH 1, 2010

**MIXTURE REQUIREMENTS**

MIXTURE NUMBER:	No. 1	No. 2	No. 3
LOCATION(S):			
MIXTURE USE(S):	HOT MIX ASPHALT SURFACE LIFT	TOP BINDER LIFT	LOWER BINDER LIFT
AC/PG:	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL-9.5 OR IL-12.5	IL-19.0	IL-19.0
FRICITION AGGREGATE:	MIX "C"	N/A	N/A



**NIEMANVILLE TRAIL  
HOT MIX ASPHALT LIFT DIAGRAM**

STRUCTURAL DESIGN INFORMATION (NIEMANVILLE TRAIL)	
CLASS III STREET	
DESIGN TRAFFIC (2020):	1786 TOTAL ADT
P.V. = 1643	S.U. = 107 M.U. = 36
T.F. = 0.1932	(80,000 LB. LOAD LIMIT)
DESIGN STRAIN = 230 (MICROSTRAIN)	
CONSTRUCT: HOT-MIX ASPHALT PAVEMENT, 6" WITH AGGREGATE BASE COURSE, TYPE A, 8"	

WALTON LAKE PEAK WATER LEVELS					
EXISTING		TEMP. DIVERSION		PROPOSED	
10 YR.	100 YR.	10 YR.	100 YR.	10 YR.	100 YR.
—	668.38	666.52	668.40	—	665.44

\* TEMPORARY DIVERSION HYDRAULICS BASED ON 2-36" DIAMETER PIPES. SEE SPECIAL PROVISIONS FOR TEMPORARY DIVERSION REQUIREMENTS.