PAVEMENT DESIGN - AASHTO METHOD

SEE PREVIOUS PAGE FOR INPUT IN DOUBLE BOXES ( )
SOIL TEST RESULTS MUST BE SUBMITTED WITH THIS WORKSHEET.

STREET CLASSIFICATION:
INITIAL AADT: % OF AADTT:
GROWTH RATE:

DESIGN LIFE: 20 YEARS

DESIGN (EAL):
RELIABILITY LEVEL (R%): % STANDARD DEVIATION (S_o):
INITIAL SERVICEABILITY INDEX (Pi): 4.2
TERMINAL SERVICEABILITY INDEX (Pt):
$\triangle PSI = Pi - Pt = 4.2 -$ $=$
SUBGRADE: $Mr = 1000 + (555 \times R)$
RVALUE FROM SOILTEST= $=>$ Mr psi
USING AASHTO DESIGN METHOD: SN = , PROVIDE NOMOGRAPH OR CALCULATIONS.

$$SN = (A_1 D_1) + (A_2 D_2) + (A_3 D_3) + (A_4 D_4)$$

STRUCTURAL COEFFICIENT:

HMA	$A_1=0.42$
ASPHALT TREATED BASE	$A_2=0.34$
CSTC OR CSBC	$A_3=0.14$
BALLAST	$A_4=0.10$

ALL HMA SHALL BE A MINIMUM OF CLASS 1/2" PG 64-22

CITY OF TUMWATER, WASHINGTON
DEPT. OF PUBLIC WORKS

PAVEMENT DESIGN WORKSHEET

APPROVED BY:
CITY ENGINEER

DWG. NO. ST-3

DES.	DWG. BY	CK'D BY	DATE	
PW	PW	MW	JAN. 2015	NOT TO SCALE