

**GENERAL NOTES**

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS (COVER SHEET) OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND AERIAL PHOTOGRAPHY 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 A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE SHOWN.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
5. THE THICKNESS OF HMA BITUMINOUS MIXTURES 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 BITUMINOUS MIXTURE IS PLACED.
6. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
7. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE PLACED DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
8. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:  
 BITUMINOUS MATERIALS (PRIME COAT) 0.00038 TON/SQ. YD. (ON PAVEMENT)  
 BITUMINOUS MATERIALS (PRIME COAT) 0.001425 TON/SQ. YD. (ON AGG)  
 AGGREGATE PRIME COAT 0.002 TON/SQ. YD.  
 BITUMINOUS CONCRETE SURFACE / BINDER 0.056 TON/SQ. YD. PER 1"  
 AGGREGATE MATERIAL 2.05 TON/CU. YD.
9. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
10. WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
11. LIMITS OF CONSTRUCTION ALONG SIDE ROADS SHALL BE VERIFIED AND APPROVED BY THE ENGINEER BEFORE WORK BEGINS. LIMITS MAY BE ADJUSTED FROM PROPOSED PLAN LAYOUT IF ENGINEER DEEMS NECESSARY.
12. EXISTING MANHOLES AND INLET FRAMES & LIDS DAMAGED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED WITH NEW FRAMES AND LIDS AT THE CONTRACTOR'S EXPENSE.

**BITUMINOUS MIXTURE REQUIREMENTS TABLES**

US 136 MAINLINE RESURFACING	
MIXTURE USE(S):	HMA SURFACE COURSE
PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5
FRICTION AGREGATE:	MIX "C"

HMA SHOULDERS ALONG US 136	
MIXTURE USE(S):	HMA SHOULDERS, LOWER LIFTS
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50 $\Delta$
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0
FRICTION AGREGATE:	N/A

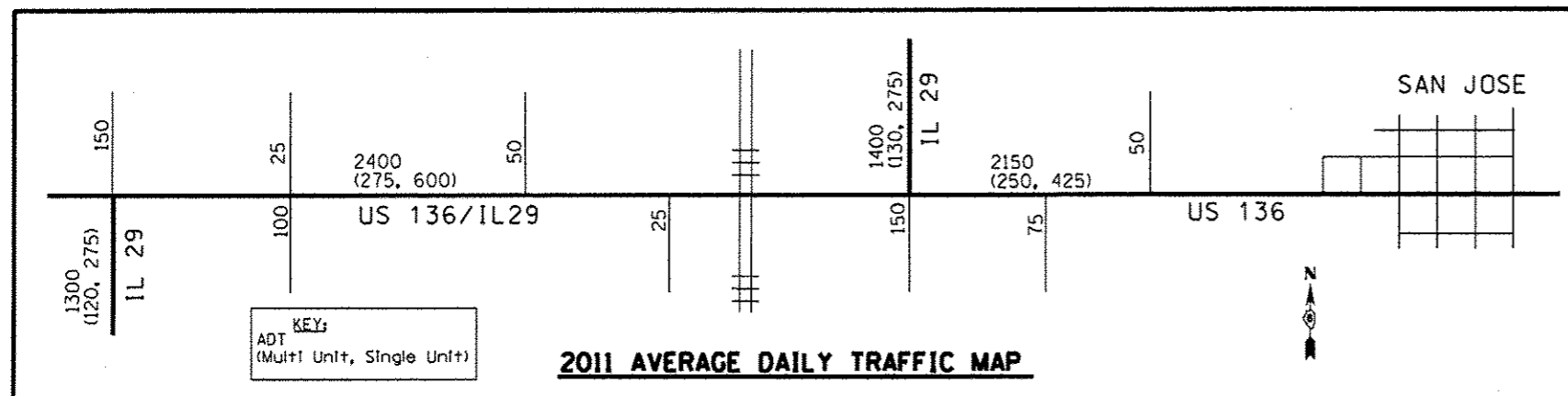
US 136 MAINLINE RESURFACING	
MIXTURE USE(S):	LEVELING BINDER
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5
FRICTION AGREGATE:	N/A

HMA SHOULDERS ALONG US 136	
MIXTURE USE(S):	SURFACE LIFT
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5
FRICTION AGREGATE:	MIX "C"

SIDEROADS, ENTRANCES ALONG US 136	
MIXTURE USE(S):	INCIDENTAL HMA SURFACING
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5
FRICTION AGREGATE:	MIX "C"

US 136 MAINLINE PATCHING	
MIXTURE USE(S):	PAVEMENT PATCHING
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0
FRICTION AGREGATE:	N/A

DISTRICT SIX	
EXAMINED	10 / 11 20 12
<i>Bill Boyer</i>	
OPERATIONS ENGINEER	
EXAMINED	DEC 14 20 12
<i>Tommy [Signature]</i>	
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED	Oct. 3 20 12
<i>ARMLY</i>	
PROGRAM DEVELOPMENT ENGINEER	



$\Delta$  REVISED 4/8/13