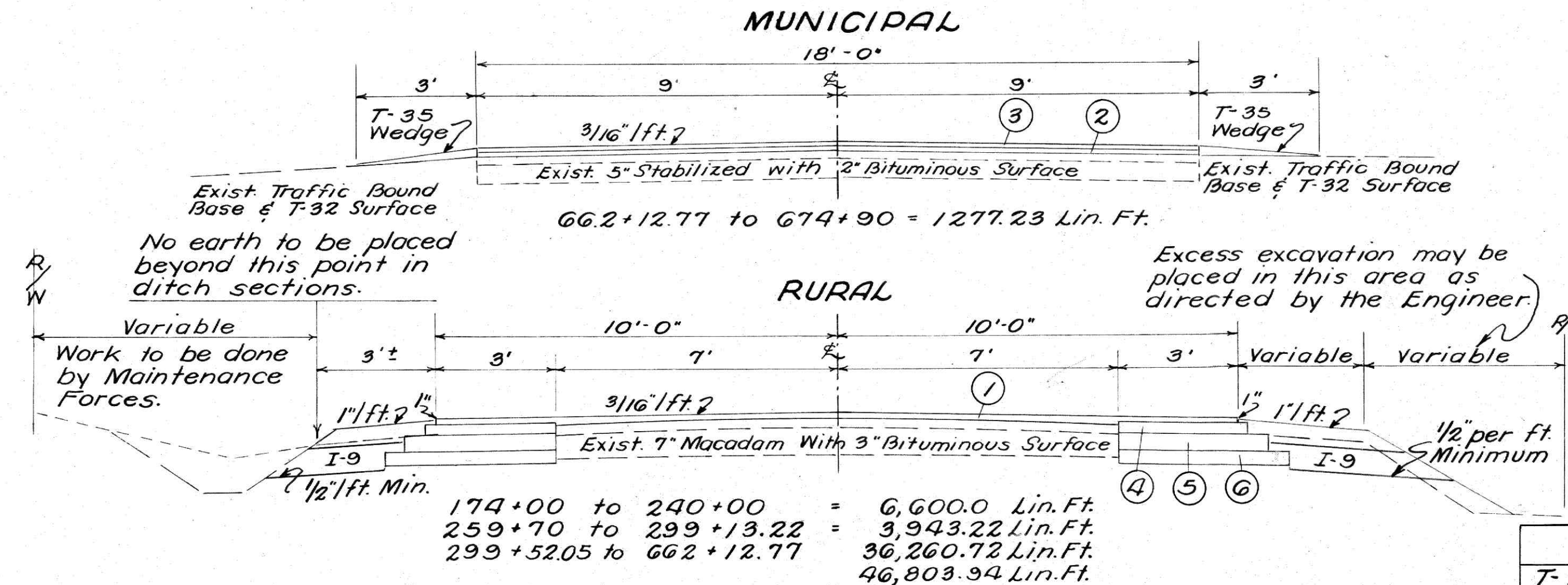
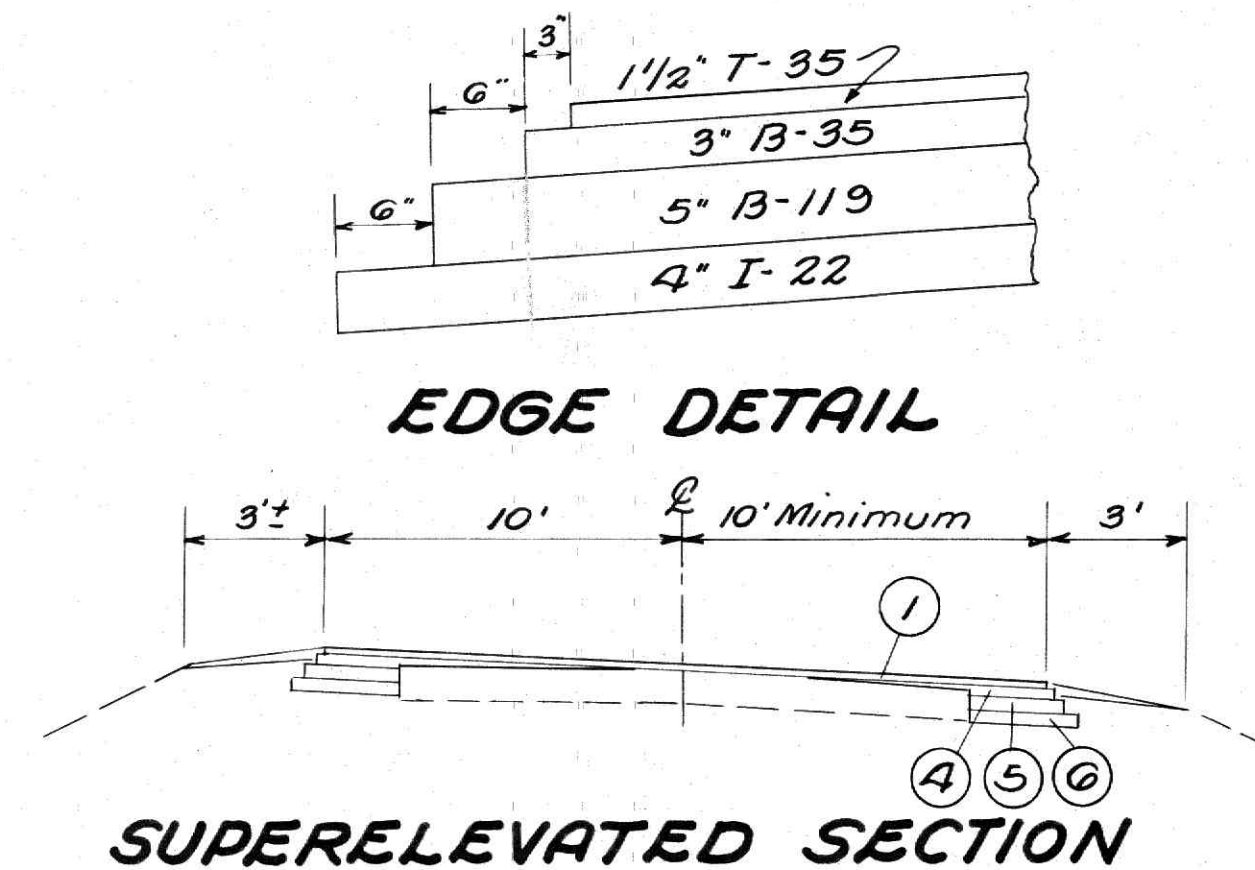


TYPICAL SECTIONS TYPE T-35

MUS-75-(14.90)/(16.52, 24.18)



GENERAL NOTES

PROFILE:

The profile of the proposed surface course shall be approximately 1 1/2" above that of the existing pavement in the rural area and 2 1/2" in the municipal area.

TRAFFIC:

Traffic shall be maintained at all times. The length of one way traffic zones shall be kept to a minimum consistent with the specification requirements for Protection of Wearing Course.

SUPERELEVATION:

Superelevated curves shall be built without crown. The crown shall be worked out of the pavement in that portion between the beginning of the transition and the point where the superelevation equals twice the crown.

EARTHWORK:

Watering embankments, benching, density requirements and the removal of sod from the shoulder will not be required. However, Item E-1 and Item E-4 shall include the thorough compacting of embankment in layers not exceeding eight inches loose depth and shall include any operations of grading necessary to finish the shoulders and slopes substantially to the lines indicated on the typical sections. No provisions of the specifications will be waived for embankment which supports any portion of the new pavement.

FILLING MAJOR DEPRESSIONS:

Major depressions in existing pavement shall be filled and compacted with bituminous concrete leveling material in advance of placing the regular leveling course.

STONE UNDERDRAINS:

No. 2 Drains are to be placed at the bottom of vertical curves and not less than 200' apart where outlets are possible. Location to be determined by the Engineer at time of construction and payment to be made on final measurement.
2000 Lin. Ft. Estimated

SURPLUS EXCAVATION:

Extreme care shall be exercised by the Contractor to avoid placing any excavated material in ditches. Surplus excavated material shall be disposed of in areas as designated on the Typical Sections when directed by the Engineer or as per Sec. E1.06(b)(2).

- ① T-35 1 1/2" Minimum Asphaltic Concrete Surface Course, Type "A" (85-100)
② B-35 1 1/4" Minimum Asphaltic Concrete Leveling Course (85-100)
③ T-35 1 1/4" Asphaltic Concrete Surface Course, Type "A" (85-100)
④ B-35 3" Asphaltic Concrete Leveling Course (85-100)
⑤ B-119 5" Crushed Aggregate Base Course
⑥ I-22 4" Subbase (To be drained with I-9 Stone Underdrains No. 2)

ARCH CULVERT STA. 376+65:

Existing stone Arch Culvert at Station 376+65 has been widened with Concrete Slabs. The widened portion shall be waterproofed using Item S-3 Waterproofing Type "C" and the entire roadway of the structure shall be surfaced with 1 1/2" T-35. Estimate 24 sq. yds Type "C" Waterproofing are required.

CALCULATIONS

CALCULATIONS		Quantity		
		Municipal	Rural	Unit
T-35 ASPHALTIC CONCRETE SURFACE COURSE				
1 1/4" - (1277.23 x 18 ÷ 9) x .0347	=	88.6		
Wedge (1277.23 x 3 ÷ 9) x .0694	=	29.5		
		118.1	118	Cu.Yds.
1 1/2" - (46,803.94 x 20 ÷ 9) x .0417	=	4,337.2		
1/2" Extra (46,803.94 x 14 ÷ 9) x .0139	=	1,012.0		
		5,349.2	5350	Cu.Yds.
B-35 ASPHALTIC CONCRETE LEVELING COURSE				
1 1/4" - (1277.23 x 18 ÷ 9) x .0347	=	88.6		
1/2" Extra (1277.23 x 18 ÷ 9) x .0139	=	35.5		
		124.1	124	Cu.Yds.
46,803.94 - 28.75(Arch Culv't.) 46,775.19 Lin. Ft. Widening				
3" - (46,775.19 x 6.5 ÷ 9) x .0833	=	2,814.0		
Curve Table	931			
	3,745		3745	Cu.Yds.
B-119 5" CRUSHED AGGREGATE BASE				
(46,775.19 x 7.5 ÷ 9) x .1389	=	5,414.2	5,414	Cu.Yds.
I-22 4" SUBBASE				
(46,775.19 x 8.5 ÷ 9) x .1111	=	4,908.0	4,908	Cu.Yds.
E-1 EXCAVATION				
(46,775.19 x 8.5 x 0.8) ÷ 27	=	11,780.4	11,780	Cu.Yds.
E-11 WATER				
(5414 + 4908) x 5 ÷ 1000 = 51.6			52	M.Gal.

GENERAL SUMMARY

Item No.	Quantities			Unit	
	Municipal	Rural	Total		
E-11		52	52	M. Gal.	Water
E-1		11,780	11,780	Cu.Yds.	Excavation Roadway
I-9		2000	2000	Lin.Ft.	Stone Underdrains, No. 2
S-3		24	24	Sq.Yds.	Waterproofing, Type "C"
T-35	118	5350	5468	Cu.Yds.	Asphaltic Concrete Surface Course, Type "A" (85-100)
B-35	124	3745	3869	Cu.Yds.	Asphaltic Concrete Leveling Course (85-100)
B-119		5414	5414	Cu.Yds.	Crushed Aggregate Base Course
I-22		4908	4908	Cu.Yds.	Subbase
			Lump		Maintaining Traffic, including lights, signs, barricades & watchmen, 24 hr. service