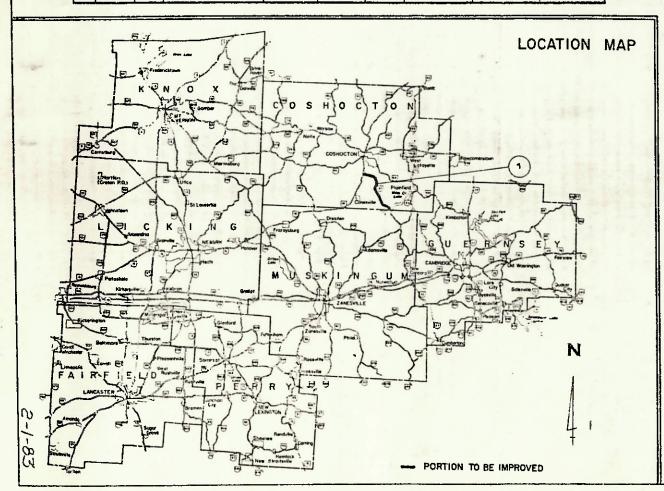
# OHIO DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

	PART COUNTY		SECTIONS	PROJECT 1	ERMINII	NET			
PARI	COUNTY	NTY ROUTE SECTIONS BEGIN END MILES	LENGTH MILES	TOWNSHIP	CITY	VILLAGE			
1	COS.	83	(0.00 - 7.49)	0.00	9.02	9.02			1 1 4 7 8
				W F T T					
,				4 14 7 75.2			1 1 1 1 1 1 1 1		
21	73 18	7/4					Total Property	e. <u>gy</u> g-74	
								Mark I	4 14
			4 84 1 7 7						



70(83)



PLAN NO. 62

The Standard 19 S1 Specifications of the State of Ohio, Department of Transportation, including the Standard Supplemental Specifications listed in the plans and proposal shall govern these improvements.

I hereby approve these plans and declare that the making of these improvements will require the closing of the highways to traffic on Parts No. None and that denour wall be provided by State forms. The closing to traffic of the highways will not on required on Part No.

1 injury of provisions for the mannershape and safety of traffic.

Approved, Co.	John Helandin	
1/4/4-82	Province Dr	

Date 11-23-B2 Engineer of Bridges	Approved 11-23-82		Engineer of Bridg	713	fee	fea
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Apgroved		
Date	Engineer of Maintenence	
	1 - 1	
	- 1 LIA	

Date	Chief Engineer, Design
Approved	

Approved /2-7-82	Hourd X.	Main
Date 12-1-0	Demotre Consessment of T	-n-umat-on

	IDARD /INGS	SUPPLEMENTAL SPECIFICATIONS				
BP-5	7-16-81	B-21-80				
		<del> </del>				
	1					
	+	-	+			

DN

# 404 ASPHALT CONCRETE, AS PER PLAN -

Pavement marking (172' of 24" Stop Line) will be placed at indicated locations. Exact locations will be determined at a pre-construction conference. The state will furnish and place the plastic markings at the locations and the Contractor shall roll the plastic markings into the new surface during the finish rolling operation. Cost of rolling shall be included in the Unit Bid Price for Item 404 Asphalt Concrete, As Per Plan.

ITEM SPECIAL GRADER RENTAL ( GRADING, SHAPING, BERMING AND DITCHING). -

\_\_\_A minimum grader size of 23,000 lbs. shall be required.

The quantity to be paid for shall be the actual number of hours of accepted equipment work. It will be the Contractors responsibility to remove and dispose of any excess material around guard rail and other areas to the satisfaction of the Engineer. The accepted quantity will be paid for at the contract price per unit and shall include all equipment, labor, fuel, removing and disposing of excess material and all incidental items necessary to complete this item. Cost of all the above work shall be paid for under ITEM SPECIAL-GRADER RENTAL.

#### PAVED SHOULDERS -

The paved shoulder shall be applied at the same time as the final course of 404 Asphalt Concrete, as directed by the Engineer.

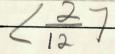
## ITEM 511 CLASS "S" CONCRETE (SUPERSTRUCTURE), as per plan

All patches other than sound portland cement concrete, and all obviously loose and disintegrated concrete shall be removed. After this initial removal, the Engineer will sound the deck and outline for removal i l other areas of loose or unsound concrete.

Concrete may be removed by scarifying, chipping or hand dressing. Chipping hammers shall not be heavier than the nominal 35-pound class and shall be operated at an angle of less than 45 degrees with respect to the surface of the deck. Concrete shall be removed in a manner than prevents cutting, elongating or damaging reinforcing steel.

Deck surface shall be made free of spalls, laitance, and all traces of foreign material. If necessary, detergent cleaning shall precede blast cleaning to ensure the removal of contaminants detrimental to achieving an adequate bond.

Surface which will contact the overlay shall be cleaned with an air blast, wetted and kept wet but free of standing water for at least one hour prior to placing the overlay.





PLAN NO.

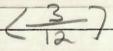
EXTRA AREAS
Approaches To Be Paved
Totals Are Carried to She

	19 ( 013	ALE COTTIES	lo Sheet 5		
EXISTING SURFACE TYPE	AREA IN SOUARE YARDS	PROPOSED THICKNESS ASPHALT CONCRETE		PRIME COAT COAGAL/SY.	COAT
Paved	162	11/2	7	OALS.	GALS.
Paved	269		11		.13
Grevel	254	2		(02	13
Paved	219	11/2		102	
Gravei	133	2	7	57	
Paved	64	11/2	3	23	7
Paved	202		8		3
Paved	67	1/3	3		-3
Paved	233	11/3	10		7.2
Gravel	831		46	332	
Paved	55	11/2			3
Paved	55	11/2	2		3
Paved	519	1	14		26
Paved	519.	1	14		26
Paved	332	1	9		17
Paved	332	_1	9		17
Paved	696	1	19		35
	4942	34	187	487	187
	Paved	EXISTING SURFACE TYPE SOUARE YARDS  Paved 162 Paved 269 Gravel 254 Paved 219 Gravel 133 Paved 64 Paved 202 Paved 67 Paved 233 Gravel 831 Paved 55 Paved 55 Paved 519 Paved 519 Paved 332 Paved 332 Paved 696	EXISTING SURFACE TYPE	AREA IN SOURE TYPE   SURFACE TYPE   SOURE THICKNESS   ASPHALT CONCRETE   CU. YDS.	EXISTING   SURFACE   TYPE   SOUARE   TYPE   SOUARE   THICKNESS   ASPHALT   CONCRETE   COAT   SOUARE   TARDS   THICKNESS   ASPHALT   CONCRETE   COAT   SOUARE   COAT   COAT

M & R 695 SR B3 12 43/Asphalt 1.6 Concrete Remove unsound concrete NOTE: Cross hatched area to be removed ELEVATION EXISTING COS-83-0321 BRIDGE NO € SRB3 12 12 2 Clearance 6"Unitorm Thickness Variable Thickness

**PROPOSED** 

**ELEVATION** 





#### GENERAL NOTES

#### ITEM 614 - MAINTAINING TRAFFIC -

Through traffic shall be maintained at all times by use of half width construction. The bridge shall be repaired half width at a time while one lane traffic is maintained on the other half. A minimum lane width of 12 feet shall be maintained for the one way traffic. The Contractor shall provide traffic signal lights for controlling the alternating flow of traffic over the one lane. These signals shall conform to the requirements of the Ohio Manual of Uniform Traffic Control Devices for Streets and Highways. See Sheet No. 10 for location of signals and signs.

Also, for a distance of 50<sup>±</sup> feet at each end of the bridge there will be a wearing course removal to assure smooth transition onto the bridge deck after the wearing course has been removed and while the bridge deck is being repaired. This transition shall begin at the concrete deck of the bridge after the wearing course has been removed and feather to 0 inches 50 ft. in both directions. After the bridge deck has been repaired and overlayed, the transition area shall be tacked with 407 material before the 404 material is applied as directed by the Engineer. The actual thickness and distance of the transition area may vary due to irregularities in the existing surface. The final profile shall be smooth.

The following quantities are carried to the General Summary for the above purpose.

202 Wearing Course Removed 222 404 Extra Asphalt Concrete-Transition Areas 10

222 Sq. Yds. 10 Cu. Yds.

#### WIRE MESH REINFORCING, 1/4" diam X 6" Spacing:

This item shall conform to 709.12 of the Construction and Material Specifications. The commercial designation is  $6x6 - D5 \times D5$ . Payment for wire mesh reinforcing shall be included in contract price bid for Item 511 Class "S" Concrete, as per plan

### ITEM 511 Class "S" Concrete (Superstructure) -As Per Plan

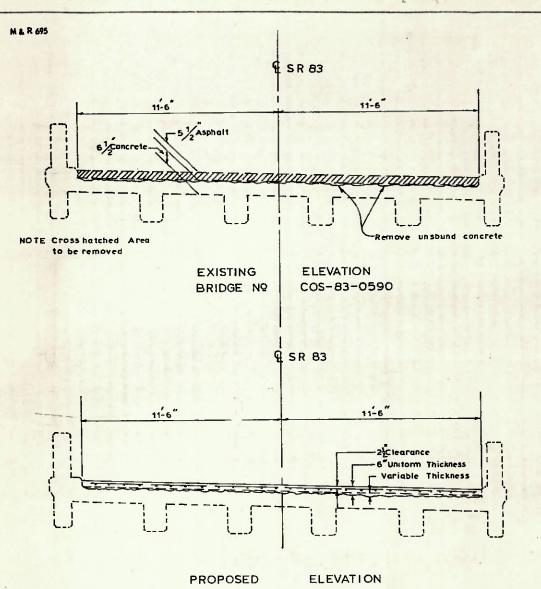
Calculations: Uniform thickness 30'-5" x 24'-0"x6" = 14 Cu. Yds.

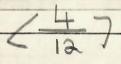
Variable thickness 30'-5"x24'-0"x1 1/2" Avg. = 3 Cu. Yds.

17 Cu. Yds.

See note on sheet 2.

1/2







#### GENERAL NOTES

PLAN NO.

#### ITEM 614 - MAINTAINING TRAFFIC -

Through traffic shall be maintained at all times by the use of half width construction. The bridge shall be repaired half width at a time while one lane traffic is maintained on the other half. A minimum lane width of 12 feet shall be maintained for the one way traffic. The Contractor shall provide traffic signal lights for controlling the alternating flow of traffic over the one lane. These signals shall conform to the requirements of the Ohio Manual of Uniform Traffic Control Devices for Streets and Highways. See Sheet No. 10 for location of signals and signs.

Also, for a distance of 50<sup>±</sup> feet at each end of the bridge there will be a wearing course removal to assure smooth transition onto the bridge deck after the wearing course has been removed and while the bridge deck is being repaired. This transition shall begin at the concrete deck of the bridge after the wearing course has been removed and feather to 0 inches 50 ft. <sup>±</sup> in both directions. After the bridge deck has been repaired and overlayed, the transition area shall be tacked with 407 material before the 404 material is applied as directed by the Engineer. The actual thickness and distance of the transition area may vary due to irregularities in the existing surface. The final profile shall be smooth.

The following quantities are carried to the General Summary for the above purpose.

202 Wear Course Removed 222 Sq. Yd.
404 Extra Asphalt Concrete-Transition Areas 12 Cu. Yds.

#### WIRE MESH REINFORCING, 1/4" diam X 6" Spacing:

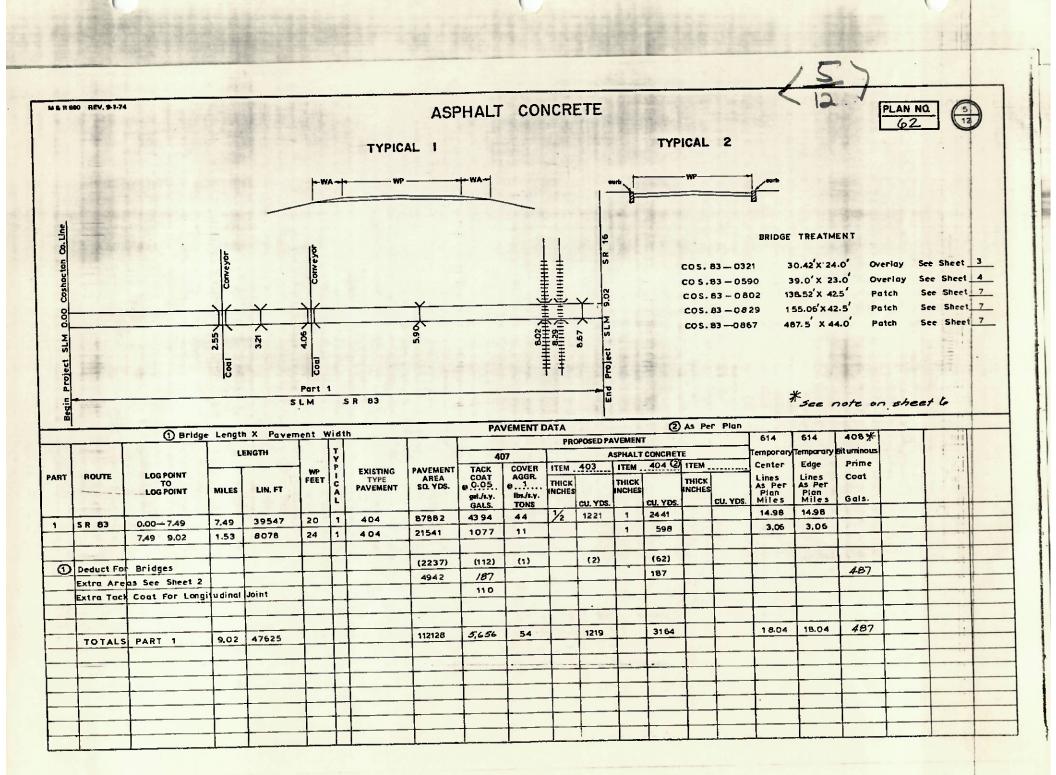
This item shall conform to 709.12 of the Construction and Material Specifications. The commercial designation is 6x6 - D5 x D5. Payment for wire mesh reinforcing shall be included in contract price bid for Item 511 Class "S" Concrete, 05 per plan

# ITEM 511 Class "S" Concrete (Superstructure) -

Calculations: Uniform thickness 39'-0" x 23'-0" x 6" = 17 Cu.Yds.

Variable thickness 39.0 x 23.0 x 1 1/2" avg. = 4 Cu.Yds.

See note on sheet 2. 21 Cu.Yds.



& R 684 REV. 9-1-76 PLAN NO. PAVED SHOULDERS \*NOTES 1TEM 203 LINEAR GRADING: This work shall consist of preparing a subgrade for the shoulder paving by excevating the existing shoulder material to the depth shown in the plan, or as directed by TYPICAL I the Engineer to remove any unstable material and by shaping and compacting the subgrade. The unsound or broken edge of bituminous pavements shall first be trimmed to a line established by the Engineer. The existing shoulder than shall be excevated and the subgrade shapes and compected. Compaction shall be carried out to the satisfaction of the Engineer by makes of a trench roller, 401,11. Areas graded in excess of depths specified or directed by the Engineer shall be backfilled to desired grade using 617 Compacted Aggregate at the contractor's expense. Excevated material shall be disposed of as indicated in the plan. Used to back up shoulders where required; the balance to be disposed of as directed by the Engineer. TYPICAL 2 □ Ь. Disposed of by the Contractor at his own responsibility outside the limits of the rightof way. Wasted adjacent to the pavement and within the right-of-way as directed by the Engineer. X ITEM 402 ASPHALT CONCRETE: Prior to placing a bituminous mixture for shoulder paying, the edge of the existing pavement, for the full depth of the trench, shall be coated with bituminous material in accordance with 401.12. X ITEM 301 BITUMINOUS AGGREGATE BASE may be used in lieu of tem 402 Asphalt Concrete. X ITEM 617 COMPACTED AGGREGATE: A quantity of Item 617 Compacted Aggregate has been provided for areas where the shoulders were low prior to grading and/or low areas caused by removal of unsuitable material. TTEM 411 - STADILIZED CRUSHED AGGREGATE: Whenever 411 stabilized 5. ITEM 408 BITUMINOUS PRIME COAT: After application of the Prime Coat, no further \*\* One station equals 100 lin. ft. crushed aggregate is stipulated, the first paragraph of 411.03 is Stations shall be measured along each treatment shall be performed until so directed by the Engineer. waived and subgrade compaction shall be to the estimaction of the edge of pavement. EMIELD: The contractor shall provide a shield to prevent the spraying or drifting of liquid Engineer. bituminous material onto the edge of the parament or similars. The attention of the contractor is directed to 107.12 of the Specifications. **PAVED SHOULDER DATA** 203 404 411 408 409 617 SPECIAL LENGTH PROPOSFO WIDTH (FT.) LINEAR ASPHALT STABILIZED COMPACTED AGGREGATE PRIME SEAL GRADER GRADING CONCRETE CRUSHED AGGREGATE DRAINS AGGREGATE RENTAL Bit, Metl. Rit. Meti. Agor. TO BACK AS PER LOG POINT SHOULDER UP PAVED ROUTE AREA AVG. DEPTH AVG. C PLAN BERM5 LOG POINT THICK LIN. FT. В C D SQ YDS. INCHES MILES A A 0.40 INCHES INCHES 18" X 2" gal./s.y. gal./s.y. c.y./1.y.

CU. YDS.

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CU. YDS.

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2 2

REV. 9-1-79

BRIDGE DECK TREATMENT

ASPHALT ROLL ROOFING ADDITIONAL DRIP STRIP,

PLAN NO.

PROTECTIVE COURSE FOR MEMBRANE WATERPROOFING

MEMBRANE WATERPROOFING, Sheet Type 1: A minimum of 1-1/2 inches of 404 Asphalt Concrete shall be pieced over the membrane.

MEMBRANE WATERPROOFING: A minimum of 2-1/2 inches of 404 Asphait Concrete shall be placed over the membrane.

DRIP STRIP: Prior to applying deck membrane waterproofing, a bent drip strip shall be installed along the edges of the deck as shown. The strips shall be fastened at 1'-6" c/c maximum with power driven pins or no. 10 galvanized screws and expansion anchors, subject to the approval of the Engineer. The strips shall be placed the full length of the deck, ending at the face of the abutment wingwall or steel and dam angle. Where splices are required a 3" (Min.) lep shall be used with a fastener through the lap. Steel for galvanized streps shall be 8" X 0,105" and shall meet the requirements of ASTM A568. Galvanizing shall be in accordance with 711.02. Stainless steel shall be 20 gauge ASTM A167, Type 304, mill finish. Payment shall be at the contract price bid for item Special Sq. Ft. Steel Drip Strip, which shall include all materials, labor, tools and incidentals necessary to complete item.

**404 ASPHALT CONCRETE-**12" LONG, CENTERED AT ALL GUARD RAIL POSTS GALVANIZED OR STAINLESS FASTENER -STEEL DRIP STRIP EXISTING EDGE OF DECK EXISTING EDGE OF DECK WITH CHAMFER

IF REQUIRED

TYP, SEC, DRIP STRIP

ACDUAL T CONCDETE

MEMBRANE WATERPROOFING

#### **BRIDGE DECK DATA**

					202	BR	IDGE DECK REP	AIR				SPEC'AL		516	ASPHALT	CONCRETE	
	15					C 00 045	ATEV NODICIE	D CONCRETE	PATC	HING		DECK WATE	RPROOFING				医医水平 经未基金的基础
PART COUNTY,	COUNTY, ROUTE,	LENGTH (BRIDGE		BRIDGE DECK	REMOVED	SS_850 DENSE CONCRETE						WATERPROOFING	WATERPROOFING		THICK	404	
毒	BRIDGE NO.	LIMITS)	1	AREA	DEPTH	" THICK	VARIABLE THICKNESS	FULL-DEPTH REPAIR	1.5	54	STRIP	SHEET TYPE 1		EXP, JOINTS	INS.	1	2.13.6000001
	LF. LF. S.Y. S.Y.	S.Y. C.Y. C.Y.		TYPE	S.Y.	s,F,	S.Y. S.Y.		LF.		C.Y.	三五年五 教育學者中的考古					
1	COS-83-0321	30.42	24.00	81	81(1)				1								一一十二十二十五年 117 日十二
100	COS-83-0590	39.00	23.00	100	1002)					1.12							F-1-4-4-6
19-1	COS-83-0802*	138,52	42.50	654					П	6							TO A CHARLES AND A SHEET OF BUILDING
	COS-83-0829*	155,06	42.50	732					п	13			We Wall				The second of th
	COS-83-0867*	487.50	44.00	2383					II	101							Elisa de la companya del companya de la companya del companya de la companya de l
_	-				1												F 24 7 12 12 12 12 12 12 12 12 12 12 12 12 12
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311	中华 学校本																
76	TOTAL				181					120							
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(1) Wearing Course Removal Depth  $4\frac{3}{4}\frac{3}{4}$  (2) Wearing Course Removal Depth  $5\frac{1}{2}$ 

\* feather to bridge as directed

The contractor shall furnish, install, maintain, and, when necessary, remove temporary retroreflective pavement markings on reconstructed, resurfaced or temporary roads within the work limits, in accordance with the following requirements.

The temporary markings shall be complete on all pavement courses exposed to traffic at the end of each day's operation. Where permanent markings are called for in these plans, the contractor shall furnish and place the permanent markings within 30 calendar days, following completion of all surface courses in a single roadway or prior to the end of the construction season, whichever comes first.

Temporary markings shall be placed in accordance with the following requirements, unless otherwise specified in the plans:

Center lines and lane lines shall consist of 12"x4" segments spaced at a maximum 40° center to center; channelizing lines shall be 12"x4" segments spaced at maximum 20' center to center. Freeway and expressway gore markings shall be two continuous lines, 50' long, 4" wide. Edge lines shallconsist of 12" x 4" segments spaced at a maximum 20' center to center. Edge lines shall be placed 2 ft. from edge of paved berm.

The material furnished shall be flexible retrorettective preformed pressure sensitive tape for pavement lines. It shall be free of cracks with straight edges and consist of pigment and fillers, but have sufficient binder and plasticizer to retain glass beads having an appropriate refractive index to meet minimum reflective intensity standards outlined in the manufacturers information. Material shall be Flexolite "Wet Reflective", 3M "Scotchlane," or approved equal.

Class beads shall be mixed uniformly throughout the marking material with sufficient surface beads to provide optimum reflectorization at all times.

The material shall have a precoated adhesive layer for pavement application without the use of heat, solvents or additional adhesives. The adhesive shall be sufficient to retain conplete markings on the pavement surface throughout the useful life of the markings.

White marking material shall be free of tint. Yellow material shall conform to Color No. 33538 of Federal Standard 595.

In addition, all applicable manufacturers may rial and application instructions, in force at the time of placement, shall be adhered t The contractor shall furnish to the engimeer certification that the material supplied meets the properties specified herein.

Markings shall be accurately laid out in conformance with 621,051 and shall be located in a true line on the center line, lane line, or channelizing line where normal permanent marking would lie, unless otherwise specified in the plans. The temporary tape shall be placed by rolling the material into the surface. \*edge line

As an alternate material to pavement marking tape, the contractor may furnish and apply painted retroreflective pavement markings conforming to 621. The width and length of painted segment shall be the same as required for temporary tape material. The paint application rate shall be not less than 16 gallons per mile for a solid line nor less than 0.4 gallons per mile for the 12"x4" dashed line.

The contractor shall provide complete pavement markings for all temporary roads constructed for this project, in accordance with material and performance requirements described herein and in the Ohio Manual as defined in 614.03.

In addition to the requirement of 614.03, the contractor shall, prior to placing temporary markings, remove all existing conflicting markings that are visible to the traveling public during daylight or nighttime hours. When temporary markings are no longer needed, any conflicting markings visible to the traveling public shall be removed by the contractor before the flow of traffic is diverted to the next phases. Removal of existing or temporary markings shall be performed in accordance with 621.134. The cost for removal of conflicting markings shall be incidental to the various pay items unless specically paid for as a separate item.



Method of measurement and basis of payment shall be in conformance with 621.15 and 621.16 respectively for:

Item	Unit	Description
614	Hiles	Temporary Lane dites
614	Miles	Temporary Center Lines
614	Hilas/LineFt	Temporary Channelizing Lines
614	Lin. Ft.	Temporary Core Marking
614	Lim For	Remove i of Temporary Harking
614	Miles	Temporary Edge Lines

AN NO

PLAN NO. 62



		GENERAL SUMMARY
ITEM	PART	GRAND TOTAL UNIT DESCRIPTION
407	5,656	5,656 Gals. Tack Coat
407	54	54 Tons Cover Aggregate
403	1219	1219 Cu. Yds. Asphalt Concrete AC-20
404	4362	4362 Cu. Yds. Asphalt Concrete AC-20 As Per Plan
408	8,954	8,954 Gals. Bituminous Prime Coat
SPECIAL	27	27 Hours Grader Rental
SPECIAL	120	120 Sq.Yds. Patching Concrete Bridge Decks, Type II
511	38	38 Cu.Yds. Class"S" Concrete (Superstructure) As Per Plan
202	625	625 Sq.Yds. Wearing Course Removed
614	18.04	18.04 Miles Temporary Edge Lines, As Per Plan
614	18.04	18.04 Miles Temporary Center Lines, As Per Plan
624	Lump	Lump Lump Mobilization
817=		Shoulder Preparation
617	882	8 8 2 Cu. Yds. Compacted Aggregate
614	LUMP	Lump Lump Maintaining Traffic

Traffic shall be maintained at all times. The length of restricted traffic zones shall be kept to a minimum consistent with the specification requirements for protection of completed courses.

# RAILROAD CROSSINGS.

The new surface course shall be feathered or butt jointed to meet the rail-grades as specified.

#### ALIGNMENT AND PROFILE:

The work proposed by this project is for the resurfacing of the existing pavement. The alignment of the existing pavement will not be changed, and the profile of the proposed surface will be similar to that of the existing pavement except that it will be raised an amount equal to the thickness of the resurfacing course or courses specified in these plans.

#### INTERMEDIATE COURSE, SPOT LEVELING AND PATCHING:

This material shall be placed in a separate operation where and as directed by the engineer.

TACK COAT:
The tack coat operation shall be as determined at a pre-construction conference as per 407.05, and application rates shall not exceed 0.10 gal. per sq. yd.

#### COVER AGGREGATE:

Cover aggregate shall conform to 703.06.

# GENERAL NOTES

#### Tack Coat (Continued)

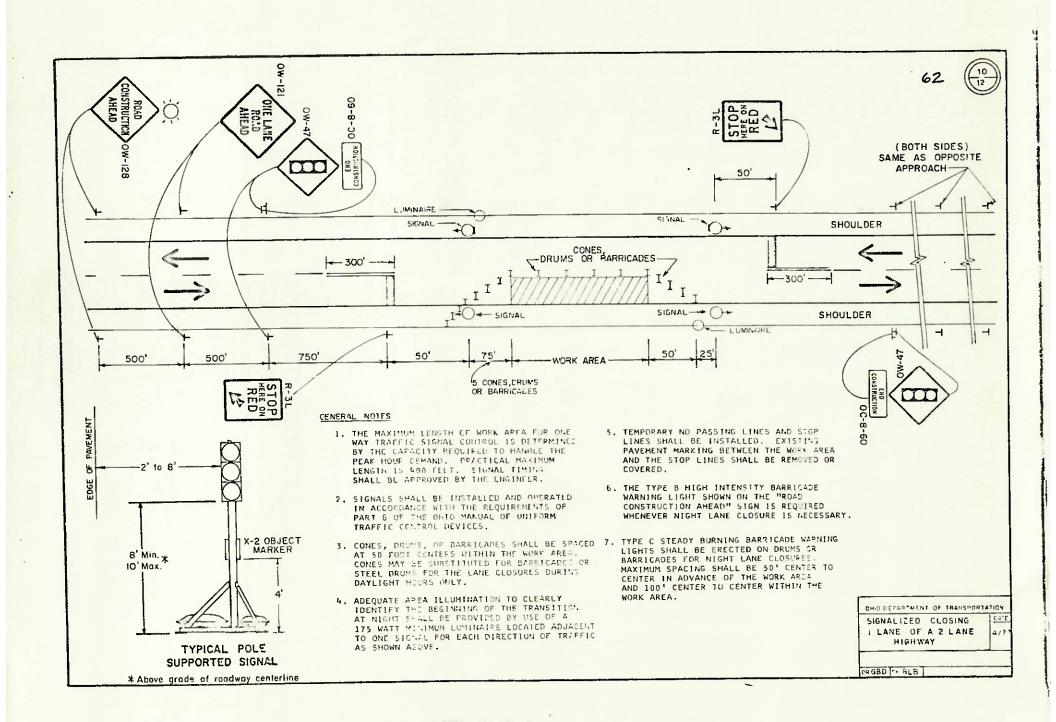
In addition to the requirements of 407.05 the tack coat shall be applied immediately ahead of the paving operations or as otherwise determined by the Project Engineer.

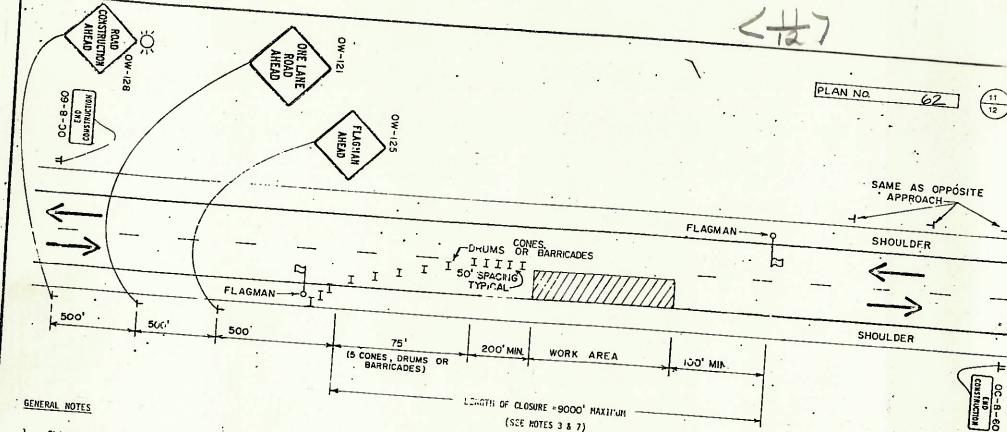
#### CONTROL OF ONE WAY TRAFFIC:

In addition to the requirements of the Ohio Manual of Uniform Traffic Control Devices and materials specifications, the following requirements shall apply:

Communication between flagmen shall be by two-way radio during the paving operation.

Payment for the above shall be included in Item 614, Maintaining Traffic.





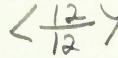
- 1. FLAGMEN SHALL BE USED TO CONTROL TRAFFIC CONTINUOUSLY FOR AS LONG AS ONE LANE OPERATION IS IN EFFECT. FLAGMEN SHALL BE ABLE TO MEANS OF RADIO OR FIELD TELEPHONES. FLAGMAN STATIONS SHALL BE WATT MINIMUM LUMINATED FOR NIGHT TIME OPERATIONS BY USE OF A 175
- 2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS FOR THE LANE CLOSURES DURING DAYLIGHT HOURS ONLY.
- 3. WHEN THE AMBIENT TEMPERATURE EXCEEDS BO DEGREES F, THE ENGINEER MAY INCREASE THE LENGTH OF CLOSURE TO ALLOW FOR SUFFICIENT COOLING OF THE NEW PAVEMENT.

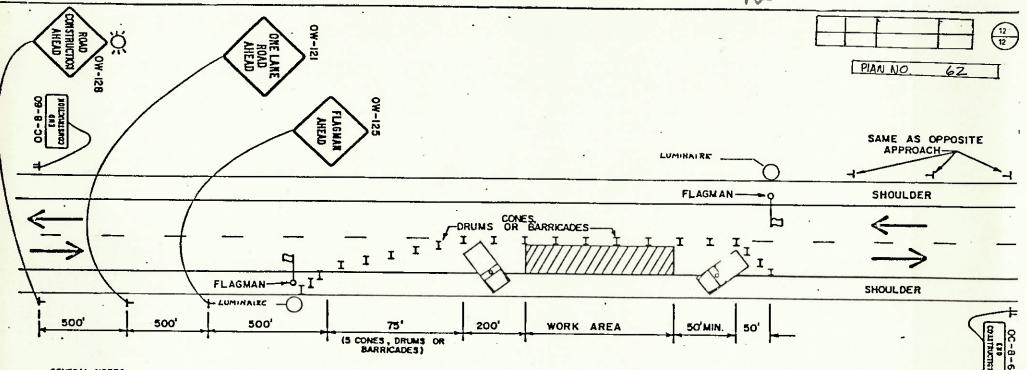
THE ENGINEER MAY SHORTEN THE MAXIMUM ALLOWABLE LENGTH OF CLOSURE TO RELIEVE EXCESSIVE TRAFFIC BACKUPS.

ALL TRAFFIC CONTROL SIGNS, CHANNELIZING DEVICES, AND FLAGMEN SHALL BE MOVED FORWARD BEFORE THE CLOSURE REACHES THE MAXIMUM ALLOWABLE LENGTH. ONLY ONE SIDE OF THE ROAD SHALL BE CLOSED AT ANY TIME IN A

- THE TYPE B HIGH INTENSITY BARRICADE WARNING LIGHT SHOWN ON THE ROAD CONSTRUCTION AHEAD SIGN IS REQUIRED WHENEVER NIGHT LANE CLOSURE IS MECESSARY.
- 5. TYPE C STEADY BURNING BARRICADE WARNING LIGHTS SHALL BE ERECTED ON DRUMS OR BARRICADES FOR NIGHT LANE CLOSURES.
- 6. THE ADVANCE WARNING SIGNS "OW-128" "OW-121" AND "OW-125" SHALL BE MOVED BACK AS REQUIRED BY THE QUEUING OF STOPPED VEHICLES.
- 7. WITHIN THE LENGTH OF CLOSURE, PROVISION SHALL BE MADE TO CONTROL TRAFFIC ENTERING FROM INTERSECTING STREETS AND MAJOR DRIVES AS NECESSARY TO PREVENT WRONG WAY MOVEMENTS AND TO KEEP VEHICLES OFF NEW PAVEMENT NOT READY FOR TRAFFIC.

OHIO DEPARTMENT OF TRANSPORTATION
FLAGMEN CLOSING
I LANE OF A 2 LANE
HIGHWAY
PAVING OPERATIONS





## GENERAL NOTES

- 1. FLAGHEN SHALL BE USED-TO CONTROL TRAFFIC CONTINUOUSLY FOR AS LONG AS ONE LANE OPERATION IS IN EFFECT. FLAGHAN SHALL COMMUNICATE WITH EACH OTHER AT ALL TIMES AS DESCRIBED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES IN THE SECTION "FLAGHAN CONTROL".
- 2. CONES, DRUMS, OR BARRICADES SHALL BE SPACED AT 50 FOOT CENTERS FOR THE FIRST 1000 FEET OF THE WORK AREA AND AT A MAXIMUM OF 100 FEET FOR THE BALANCE OF THE WURK AREA. CONES MAY BE SUBSTITUTED FOR BARRICADES OR 1.1. DRUMS FOR THE LANE CLOSURES DURING DAYLIGHT HOURS ONLY.
- J. SEVERAL SMALL WORK SITES CLOSE TOGETHER SMALL BE COMBINED INTO CHE WORK AREA TO MAKE A CLOSURE NOT MORE THAN 2000 FEET LONG INCLUDING TAPERS, CLOSURES MORE THAN 2000 FEET MAY BE APPROVED BY THE ENGINEER. THE MINIMUM LENGTH BETWEEN CLOSURES SHALL BE 2000 FEET. ONLY ONE SIDE OF THE ROAD SHALL BE CLOSED IN ANY ONE WORK AREA.

- 4. THE WORK TRUCKS SHOWN AT EACH END OF THE WORK AREA SHALL BE IN PLACE AND UNOCCUPIED WHENEVER HEN ARE WORKING WITHIN THE WORK AREA. THESE TRUCKS SHALL BE HOVED FROM THE PAVEMENT WHENEVER WORK. IN ARE NOT IN THE WORK AREA. OTHER PROTECTIVE DEVICES MAY BE USED IN LIEU OF THE WORK TRUCKS SHOWN WHEN APPROVED BY THE ENGINEER.
- 5. THE TYPE 8 HIGH INTENSITY BARRICADE WARNING LIGHT SHOWN ON THE ROAD CONSTRUCTION AHEAD SIGN, IS REQUIRED WHENEVER MIGHT LANE CLOSURE IS MECESSARY.
- 6. TYPE C STEADY BURNING BARRICADE WARNING LIGHTS SHALL BE ERECTED ON DRUMS OR BARRICADES FOR NIGHT LANE CLOSURES. MAXIMUM SPACING SHALL BE 50° CENTER TO CENTER IN ADVANCE OF THE WORK AREA AND 200° CENTER TO CENTER WITHIN THE WORK AREA.
- 7. ADEQUATE AREA ILLUMINATION TO CLEARLY IDENTIFY THE BEGINNING OF THE TRANSITION AT NIGHT SHALL BE PROVIDED BY USE OF A 175 WATT MINIMUM LUMINAIRE LOCATED ADJACENT TO FLAGMAN STATIONS AS SHOWN ABOVE. THE MOUNTING HEIGHT FOR TEMPORARY LUMINAIRES SHALL BE A MINIMUM OF 27 FEET ABOVE THE PAVEMENT AND THE MINIMUM OVERREAD CONDUCTOR CLEARANCE SHALL BE 20 FEET ABOVE THE PAVEMENT.

OND DEPARTMENT OF TRANSPONTATION
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