

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO	T-4030(16)	

3A
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LAKE COUNTY
LAK-2-(0.00-13.01)

GENERAL NOTES

THE ODOMETER SHALL BE INSTALLED SO THAT IT CAN BE SYNCHRONIZED TO OPERATE WITH THE APPLICATOR DURING EDGE PAINTING. FAILURE OF ODOMETER TO FUNCTION PROPERLY SHALL BE CAUSE TO STOP THE WORK UNTIL THE ODOMETER IS MADE TO FUNCTION PROPERLY, OR MEASUREMENT OF THE WORK SHALL BE DONE BY THE DEPARTMENT AND THE COST OF DEPARTMENT LABOR AND EQUIPMENT PLUS 10 PERCENT SHALL BE DEDUCTED FROM PAYMENT DUE THE CONTRACTOR FOR THE WORK. WHEN MEASURING LANE LINE MARKING, THE ODOMETER SHALL BE STARTED AT THE FIRST 15-FOOT DASH LINE AND REMAIN IN OPERATION, EXCEPT AT TRANSITIONS AND OTHER LOCATIONS NOT STRIPED, UNTIL THE END OF THE SECTION BEING STRIPED, WHERE IT SHALL BE SHUT OFF AND THE READING OF THE ODOMETER RECORDED.

THE VEHICLE SHALL BE EQUIPPED WITH AN ACCURATE DASHING MECHANISM, CAPABLE OF BEING EASILY ADJUSTED, TO RETRACE EXISTING LANE OR CENTER LINE MARKINGS AS SPECIFIED IN PLANS OR AS DIRECTED BY THE ENGINEER.

DEDUCTION FOR IMPROPER MATERIAL QUANTITIES

THE AMOUNT OF THERMOPLASTIC COMPOUND AND BEADS APPLIED PER UNIT OF LENGTH WILL BE COMPUTED BY THE ENGINEER AT THE END OF EACH DAY'S WORK. A TOLERANCE FOR DEFICIENCY OR EXCESS OF MATERIALS USED OF 6 PERCENT PLUS OR MINUS SHALL BE PERMISSIBLE WITHOUT DEDUCTION. IF A DEFICIENCY OR EXCESS EXISTS FOR BOTH THERMOPLASTIC COMPOUND AND BEADS, ONLY THE GREATER WILL BE USED FOR COMPUTING THE DEDUCTION.

FOR DEFICIENCY OR EXCESS GREATER THAN 6 PERCENT BUT LESS THAN 20, THE CONTRACT UNIT PRICE SHALL BE REDUCED IN DIRECT PROPORTION TO THE COMPUTED PERCENTAGE. THE ENGINEER WILL ADVISE THE CONTRACTOR AT THIS TIME OF THE DEDUCTION TO BE MADE.

IF A DEFICIENCY OF MORE THAN 20 PERCENT IS FOUND, THE WORK SHALL BE CONSIDERED UNACCEPTABLE, AND SHALL BE REAPPLIED AT THE EXPENSE OF THE CONTRACTOR, INCLUDING FULL COSTS FOR LABOR, EQUIPMENT AND MATERIALS. IF AN EXCESS OF GREATER THAN 20 PERCENT HAS BEEN USED, THE CONTRACT UNIT PRICE SHALL BE REDUCED IN DIRECT PROPORTION TO THE COMPUTED PERCENTAGE.

METHOD OF MEASUREMENT

THE QUANTITY PAID FOR SHALL BE THE NUMBER OF LINEAR FEET OR MILES OF THE SEVERAL TYPES OF LINES AND EACH SYMBOL OR WORK INSTALLED AND ACCEPTED, MEASURED IN PLACE. MEASUREMENTS SHALL BE MADE BY A REPRESENTATIVE OF THE CONTRACTOR AND THE ENGINEER. THE LENGTH OF LANE LINES TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF MILES INCLUSIVE OF GAPS, MEASURED IN PLACE, COMPLETED AND ACCEPTED. A LANE LINE SHALL START AT THE BEGINNING OF THE FIRST DASHED LINE, AND FINISH AT THE END OF THE LAST DASHED LINE. PAVEMENT ARROWS AND WORDS SHALL BE MEASURED PER EACH AND TRAVERSE STRIPES SHALL BE PAID FOR ON A PER LINEAR FOOT BASIS.

BASIS OF PAYMENT

THESE ITEMS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE: PER MILE OF PAVEMENT EDGE BROOMING; PER MILE OF 4" TYPE B WHITE THERMOPLASTIC EDGE LINES; PER LINEAR FEET OF 8" TYPE A WHITE THERMOPLASTIC CHANNELIZING LINES; PER LINEAR FEET OF 24" TYPE B WHITE THERMOPLASTIC TRANSVERSE MARKINGS; PER MILE (INCLUSIVE OF GAPS) OF 6" TYPE A WHITE THERMOPLASTIC LANE LINES; PER LINEAR FOOT OF 24" TYPE A STOP BARS; AND PER EACH FOR TYPE A WHITE THERMOPLASTIC PAVEMENT ARROWS AND WORDS. PRICE AND PAYMENT SHALL CONSTITUTE FULL COMPENSATION FOR PROVIDING MATERIALS, HAULING, SURFACE PREPARATION, ESTABLISHMENT GUIDE LINES, PLACING, PROTECTING ALL APPLIED ITEMS AS SPECIFIED OR REQUIRED BY THE ENGINEER, AND FOR ALL LABOR, TOOLS, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO LAY OUT AND COMPLETE THE WORK. PAVEMENT EDGE BROOMING SHALL BE PAID FOR AT CONTRACT PRICE PER MILE, HOWEVER, ADDITIONAL BROOMING SHALL BE CONSIDERED, ESPECIALLY IN THE GORE AREAS, AS PART OF SURFACE PREPARATION AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN FOR SUCH WORK.

ESTIMATED QUANTITIES

SPECIFIC LOCATIONS AND USAGE OF ESTIMATED QUANTITIES SET UP ON THE PLAN TO BE USED "AS DIRECTED BY THE ENGINEER" SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT. ESTIMATED QUANTITIES OF MATERIAL SHALL NOT BE ORDERED FOR DELIVERY TO THE PROJECT UNLESS AUTHORIZED BY THE ENGINEER.

619 FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 150 SQ. FT. OF FLOOR SPACE AND, IN ADDITION TO THE REQUIREMENTS OF ITEM 619, HE SHALL PROVIDE AND MAINTAIN SANITARY PROVISIONS AS PER 107.06. ALL THE ABOVE IS INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

FEDERAL AID CONSTRUCTION IDENTIFICATION SIGNS

THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN, AND SUBSEQUENTLY REMOVE FEDERAL AID CONSTRUCTION IDENTIFICATION SIGN AT THE FOLLOWING LOCATIONS: LAK-2-0.00 LAKE-CUYAHOGA COUNTY LINE AND LAK-2-13.01 MENTOR CITY EAST CORPORATION LINE. SIGN DETAILS SHALL BE AS SPECIFIED ON STANDARD DRAWING FACI-1, AND THE SIGNS SHALL BE ERECTED IN ACCORDANCE WITH STANDARD DRAWING FACI-2. ADDITIONAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH NOTES IN THE PROPOSAL. Code "N-54(1)-96(3)".

CURB PAINTING

ALL CURBS ON RAMPS SHALL BE PAINTED BY LAKE COUNTY. CURB PAINTING IS NOT A PART OF THIS CONTRACT.

GUARANTEE

The Contractor shall guarantee, in writing, to replace without cost to the State, that part of the pavement markings installed under this contract which, in the opinion of the Engineer, has not remained visibly intact and serviceable as follows:

After one year, if less than 90% of the total surface area remains intact and serviceable, all defective areas shall be replaced.

After two years, if less than 75% of the total surface area remains intact and serviceable, all defective areas shall be replaced.

After three years, if less than 50% of the total surface area remains intact and serviceable, all defective areas shall be replaced.

The guarantee, as required above, shall be covered by the Contract Bond (Performance) as required by 103.05.

The last sentence of 109.09 shall be expand to read "The date the final estimate check is mailed shall constitute the acceptance contemplated by Section 153.56 ORC", except that the Contract Bond (Performance) shall remain in effect until all provisions of the guarantee have been complied with.

ALTERNATE PAVEMENT MARKING ITEMS

Acceptance of all thermoplastic pavement markings will be considered 90 days after the date of installation. This acceptance will be made pending the decision of the Engineer that all pavement markings have complied with the specifications and procedures contained herein and have remained visibly intact with no failure due to poor adhesion. That part of the thermoplastic pavement markings which have not remained visibly intact and serviceable 90 days after the date of installation, as determined by the Engineer, shall be replaced at no cost to the State.

EDGE LINES

On this project, the edge lines on the left side of the through lanes (median edge) shall be yellow. All other edge lines shall be white.