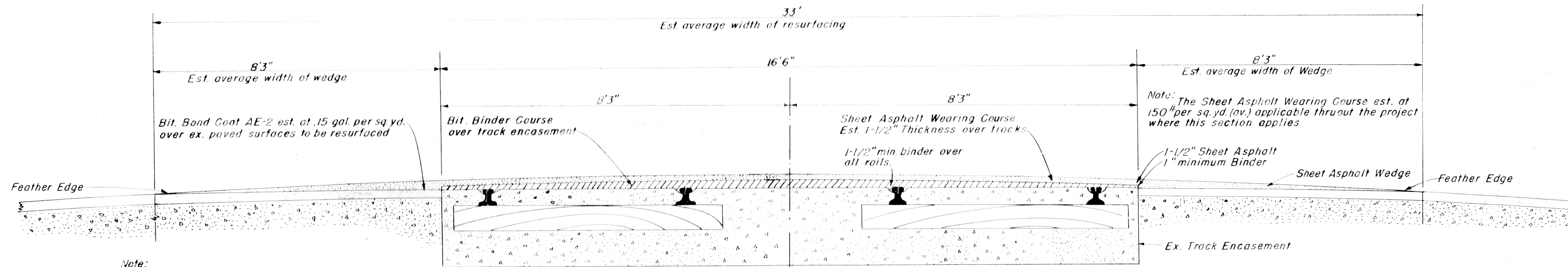


TYPICAL CROSS-SECTIONS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MICH.	U-229(3) PART (2)			
ROUTE	STATE	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
US-16	82-125	Wayne	Detroit	2	14
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MICH.				
ROUTE	STATE	COUNTY	TWP.	SHEET NO.	TOTAL SHEETS

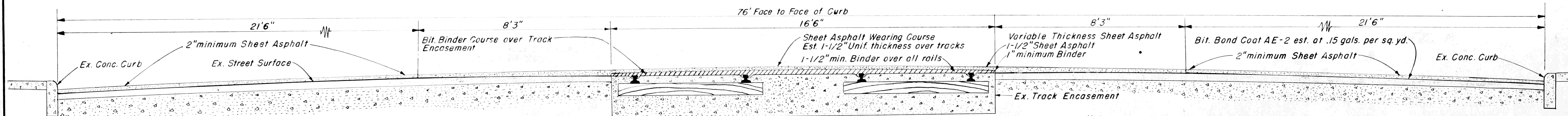
GRAND RIVER AVE. DETROIT



Note: Before pouring of the bituminous bond coat a bituminous bond coating shall be applied to the flange groove and inside face of rails to the limits of rail exposure, and a sheet asphalt mixture placed in the groove and be thoroughly compacted by tamping or rolling. This applies over entire project.

SECTION SHOWING PROPOSED RESURFACING OF STREET RAILWAY TRACKS

To Apply Sta. 368+00 to 527+00
Scale 3/4" = 1'



Note: The Sheet Asphalt Wearing Course est. at 200# per sq. yd.

SECTION SHOWING PROPOSED FULL WIDTH RESURFACING

To Apply Sta. 249+19 to 368+00
Scale 1/2" = 1'

FED. ROAD DIST. NO.	STATE	PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
7	MICH.	U-229(3)			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET No.	TOTAL SHEETS
U-316	82-125(2)	Wayne	Detroit	3	14
FED. ROAD DIST. NO.	STATE	PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET No.	TOTAL SHEETS

82-125 - U-229(3) Part 2

PUBLIC UTILITIES

The following public utilities are represented on this project:

Publicly Owned

Street Railway Track	Department of Street Railways
Water Mains	Department of Water Supply
Conduits and Overhead Lines	Public Lighting Commission
Signal Lines and Traffic Lights	Police Department
Signal Lines and Fire Hydrants	Fire Department

Privately Owned

Conduits and Overhead Lines	Detroit Edison Company
Conduits	Michigan Bell Telephone Company
Gas Lines	Michigan Consolidated Gas Company

The owners of existing poles and other service structures that are within grading limits and that will interfere with construction operations will move them to locations designated by the Engineer or will remove them entirely from the highway right of way.

Owners of public utilities will not be required by the Department to move additional poles and structures in order to facilitate the operation of construction equipment.

82-125 - U-229(3) Part 2

NOTES APPLYING TO STANDARD PLANS

where the following items are called for on plans they are to be constructed according to the Standard Plan given below opposite each item unless otherwise indicated.

Barricade and Construction Sign	E-6-A-550
Track Crossings	E-4-A-22D

B.M.# 39 - Elev. 147.062
 Square chiseled in door sill
 50 ft. Lt. of Sta 241+90

B.M.# 38 - Elev. 146.542
 Cross chiseled on 2nd step
 50 ft. Lt. of Sta. 249+13

B.M.# 37 - Elev. 147.032
 Square chiseled in door sill
 50 ft. Lt. of Sta. 257+46

B.M.# 36 - Elev. 148.065
 Square chiseled in door sill
 50 ft. Left of Sta. 265+64

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MICH.	U-229(3)			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
US-16	82-125	Wayne	Detroit	4	
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MICH.				
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS

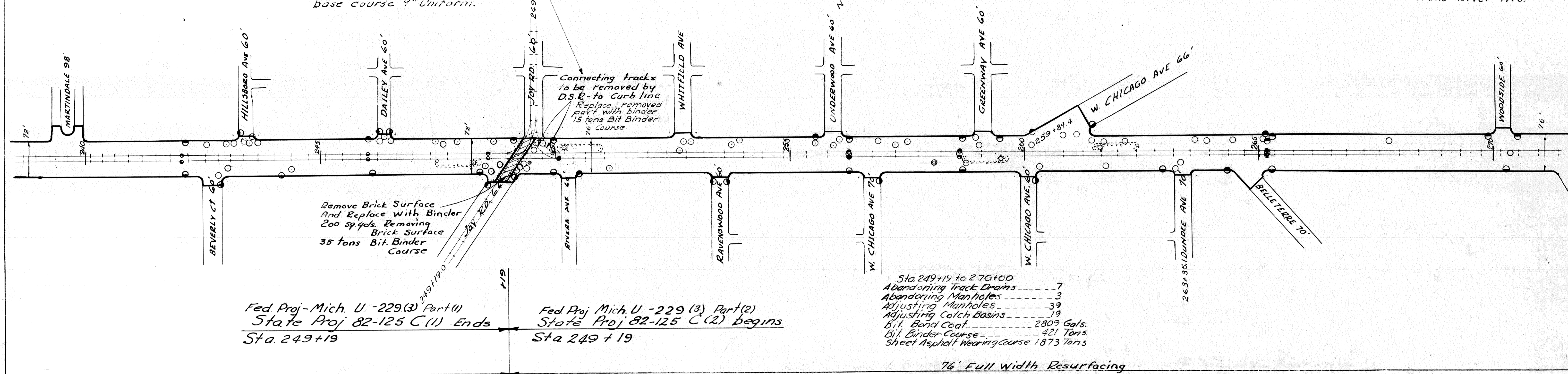
Grand River Ave.

Note: In case entire base course is destroyed by removal of spur track to Joy Road, it shall be replaced with concrete base course 9" Uniform.

Maintain Traffic Throughout Project Part (2) 5.261 miles.

Safety Zones thruout this Project to be removed by D.S.R.

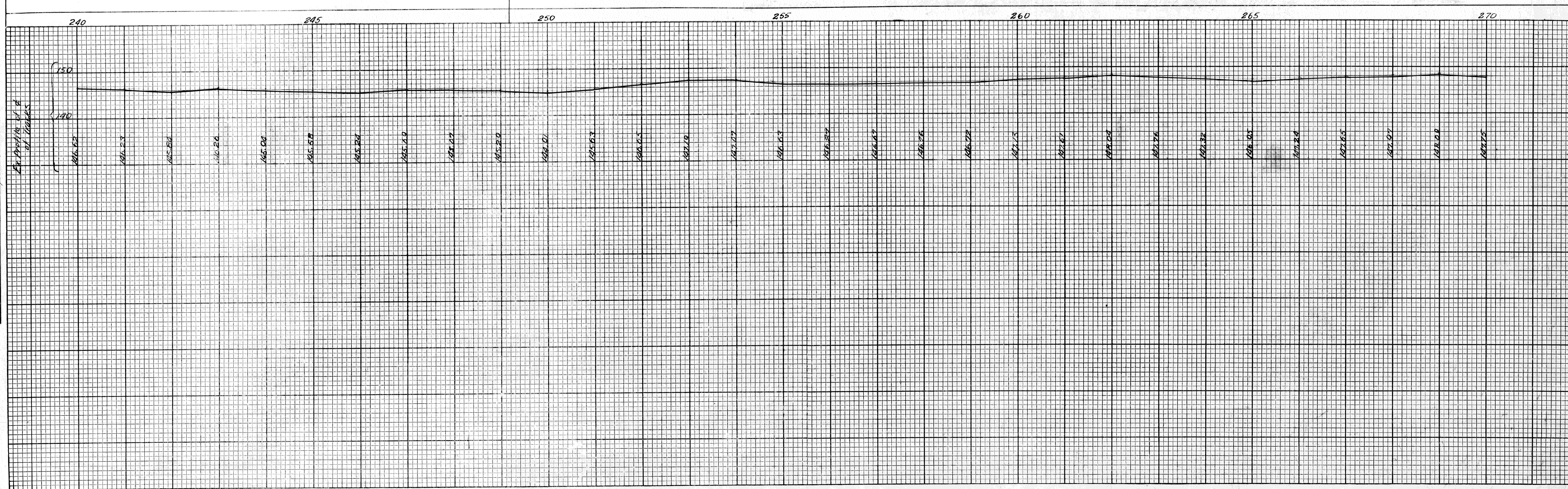
OPERATION	BY	DATE
PRELIMINARY O.W. CHECKED		
FINAL DESIGN CHECKED		
TRACED		
QUANTITIES CHECKED		
SQUAD		



Fed Proj - Mich. U - 229 (3) Part (1)
 State Proj 82-125 C (1) Ends
 Sta. 249+19

Fed Proj Mich. U - 229 (3) Part (2)
 State Proj 82-125 C (2) begins
 Sta. 249+19

- Sta. 249+19 to 270+00
- Abandoning Track Drains ----- 7
- Abandoning Manholes ----- 3
- Adjusting Manholes ----- 39
- Adjusting Catch Basins ----- 19
- Bit. Binder Coat ----- 2809 Gals.
- Bit. Binder Course ----- 421 Tons
- Sheet Asphalt Wearing Course ----- 1873 Tons



OPERATION	BY	DATE
SURVEYED		
PLAN CHECKED		
PROFILE PLOTTED		
PROFILE CHECKED		
GRADE INSPECTION		
FEDERAL INSPECTION		

B.M. #35 - Elev. 149.933
 Square chiseled in door sill
 54 ft. Rt. of Sta. 274+26

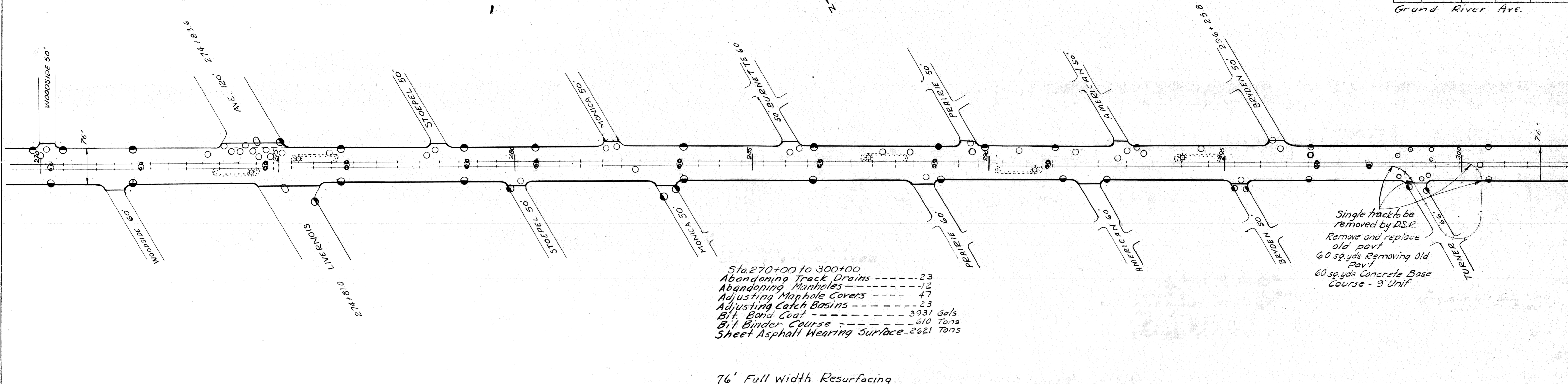
B.M. #34 - Elev. 150.123
 Square chiseled in door sill
 50 ft. Lt. of Sta. 285+22

B.M. #33 - Elev. 151.493
 Square chiseled in door sill
 50 ft. Lt. of Sta. 294+09

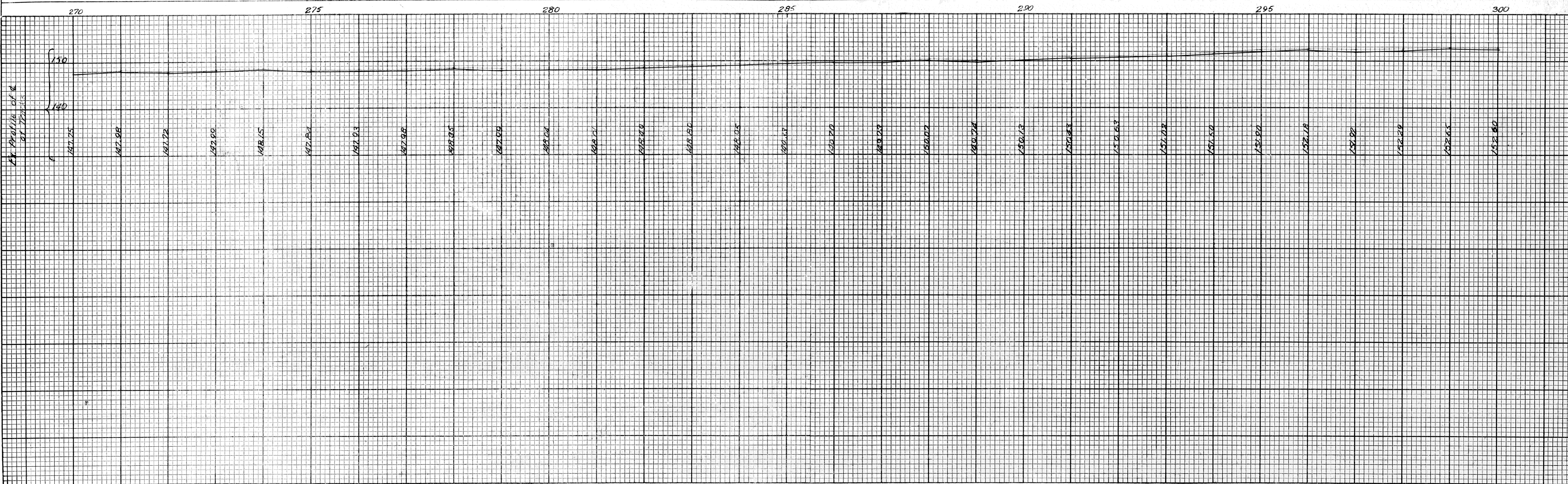
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MICH.	U-229(3)			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
US-16	82-125	Wayne	Detroit	5	
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MICH.				
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS

Grand River Ave.

OPERATION	BY	DATE
PRELIMINARY F.O.W. CHECKED		
FINAL DESIGN CHECKED		
TRACED		
FINAL R.O.W. CHECK		
QUANTITIES CHECKED		
SOUND		



OPERATION	BY	DATE
SURVEYED	Wright	6-77
PLAN PREPARED	Hightower	6-77
PROFILE PLOTTED	Hull	7-77
PROFILE CHECKED		
PRELIMINARY GRADE		
PRELIMINARY QUANTITIES		
FEDERAL INSPECTION		



B.M. #27 Elev. 158.308
 Cross chiseled in bank step
 50 ft. Rt. of Sta. 335+69

B.M. #26 Elev. 158.368
 Square chiseled in door sill
 50 ft. Rt. of Sta. 340+87

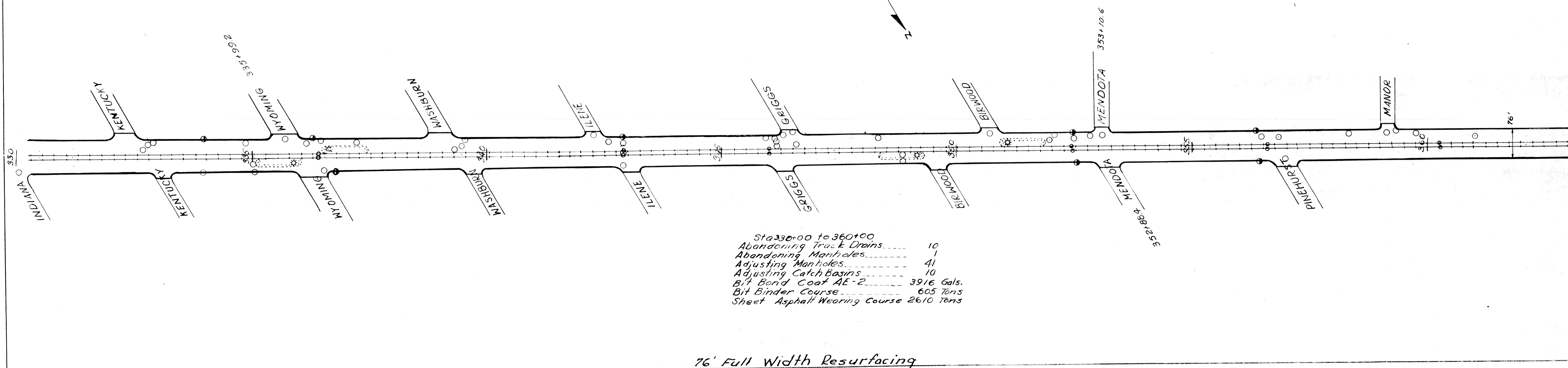
B.M. #25 Elev. 159.520
 Square chiseled in door sill
 50 ft. Rt. of Sta. 349+26

B.M. #24 Elev. 158.325
 Cross chiseled in door sill
 90 ft. Lt. of Sta. 358+47

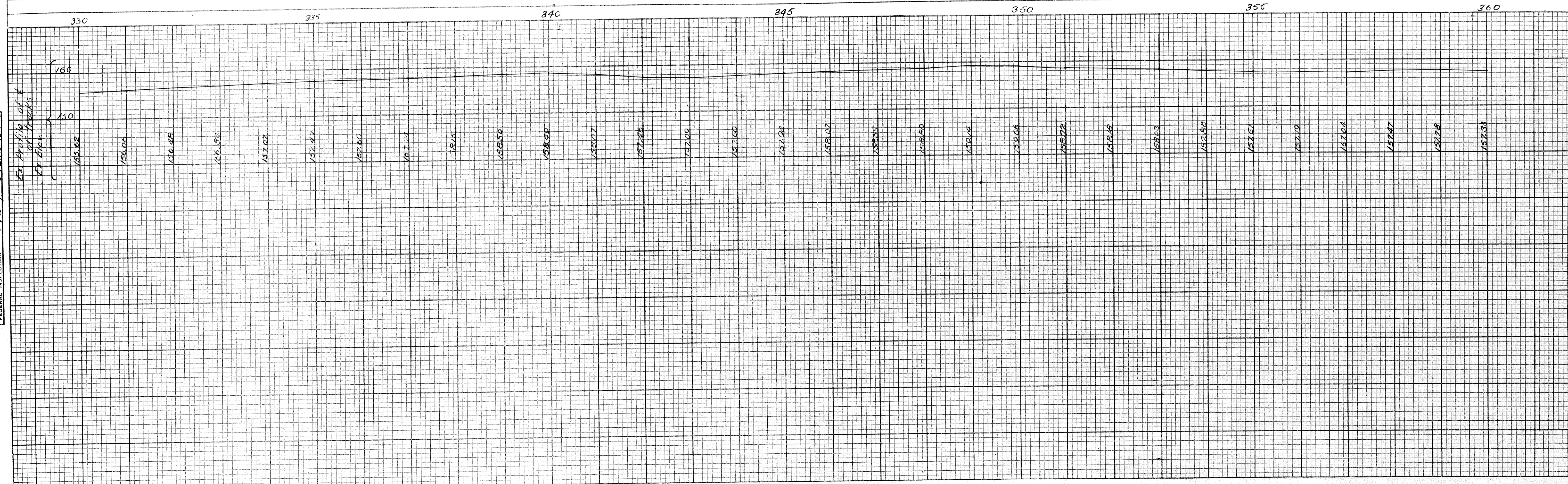
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MICH.	U-229(3)			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
US 16	82-125	Wayne	Detroit	7	

Grand River Ave.

OPERATION	BY	DATE
PRELIMINARY DESIGN CHECKED		
FINAL DESIGN CHECKED		
TRACED		
QUANTITIES CHECKED		
SQUAD		



OPERATION	BY	DATE
SURVEYED		
PLAN PLOTTED (INCH)	AKK	7-47
PROFILE PLOTTED	HCH	7-47
PRELIMINARY GRADE		
GRADE ADJUSTMENT		
CEREBRAL INSPECTION		



B.M.#23-Elev.163.700
Square chiseled in door sill
50 ft. Rt. of Sta. 376+57

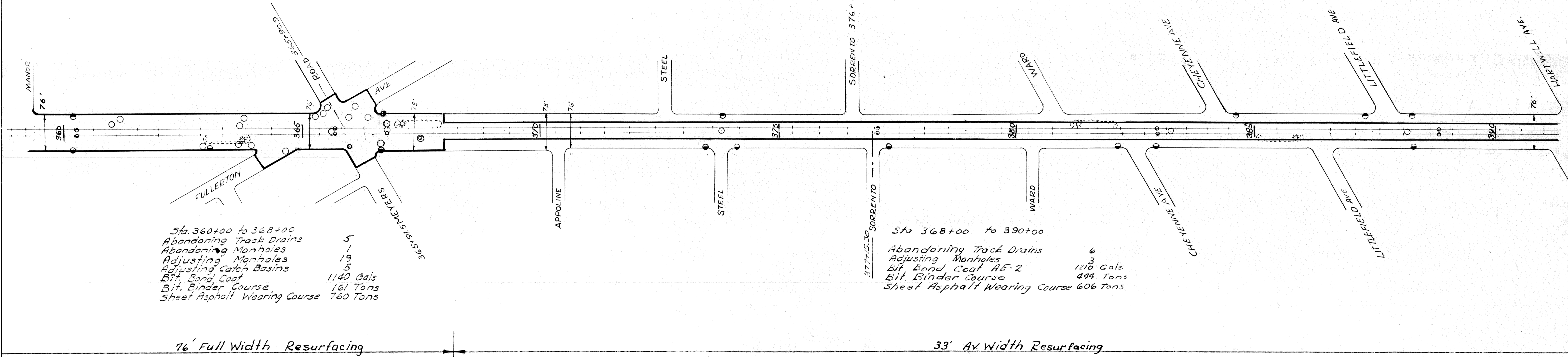
B.M.#22-Elev.161.590
Square chiseled in door sill
50 ft. Rt. of Sta. 368+58

B.M.#21-Elev.163.700
Square chiseled in door sill
50 ft. Rt. of Sta. 376+57

B.M.#20-Elev.164.925
Square chiseled in gas
pump island 79 ft. Lt.
of Sta. 384+82

FED. ROAD DIST. No.	STATE	PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
7	MICH.	U-229(3)			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET No.	TOTAL SHEETS
US-16	82-125	WAYNE	Detroit	B	
FED. ROAD DIST. No.	STATE	PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
7	MICH.				
ROUTE	STATE PROJECT	COUNTY		SHEET No.	TOTAL SHEETS

GRAND RIVER AVE

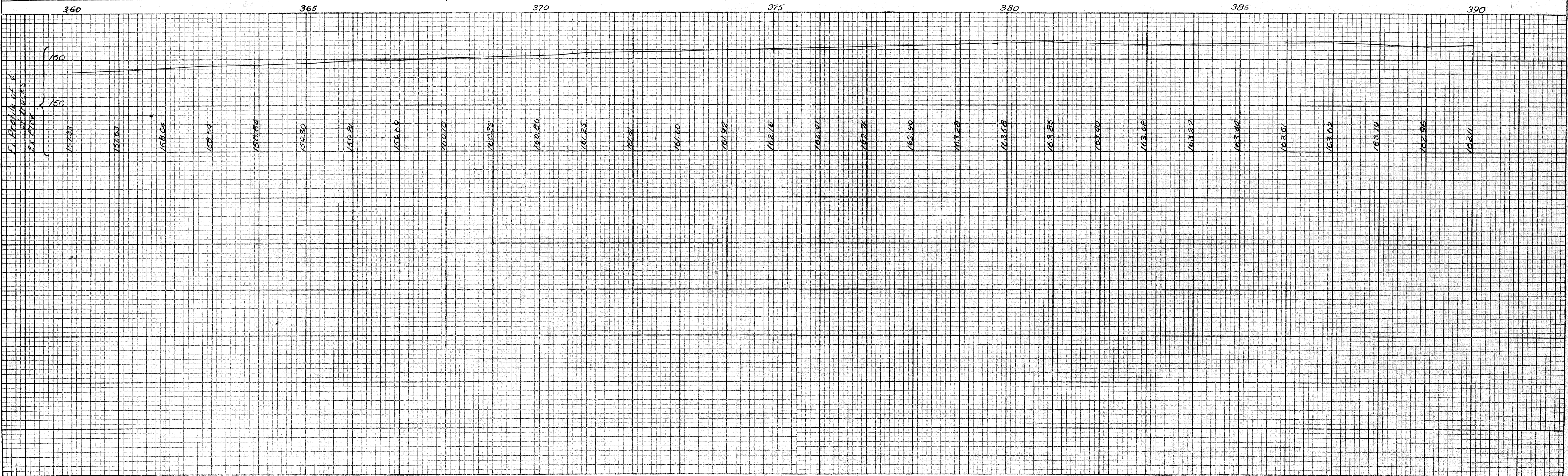


Sta. 360+00 to 368+00
Abandoning Track Drains 5
Abandoning Manholes 1
Adjusting Manholes 19
Adjusting Catch Basins 5
Bit. Bond Coat 1140 Gals
Bit. Binder Course 161 Tons
Sheet Asphalt Wearing Course 760 Tons

Sta. 368+00 to 390+00
Abandoning Track Drains 6
Adjusting Manholes 3
Bit. Bond Coat AE-2 1210 Gals
Bit. Binder Course 444 Tons
Sheet Asphalt Wearing Course 606 Tons

76' Full Width Resurfacing

33' Av. Width Resurfacing



OPERATION	BY	DATE
PRELIMINARY P.O.W. CHECKED		
FINAL DESIGN CHECKED		
TRACED		
FINAL P.O.W. CHECK		
QUANTITIES CHECKED		
SQUAD		

OPERATION	BY	DATE
SURVEYED		
PLAN PLOTTED		
PROFILE PLOTTED		
PRELIMINARY GRADE		
GENERAL INSPECTION		

B.M.# 19 - Elev. 164.083
 Square chiseled in center
 of gas pump island
 63 ft. Lt. of Sta. 392+61

B.M.# 18 - Elev. 161.370
 Square chiseled in door sill
 50 ft. Rt. of Sta. 401+15

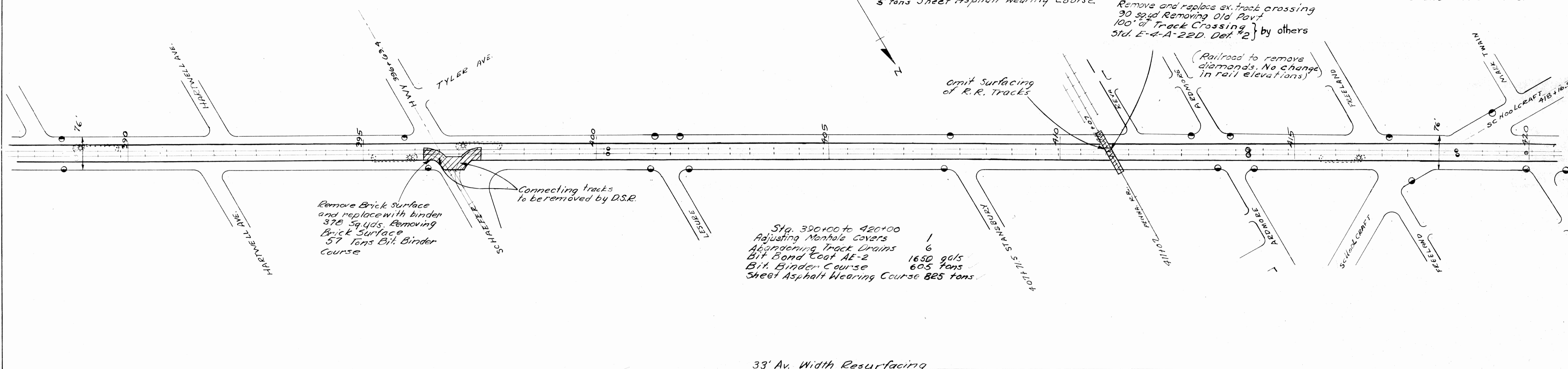
B.M.# 17 - Elev. 163.355
 Square chiseled in door sill
 79 ft. Left of Sta. 412+80

B.M.# 16 - Elev. 163.670
 Square chiseled in door sill
 50 ft. Rt. of Sta. 419+82

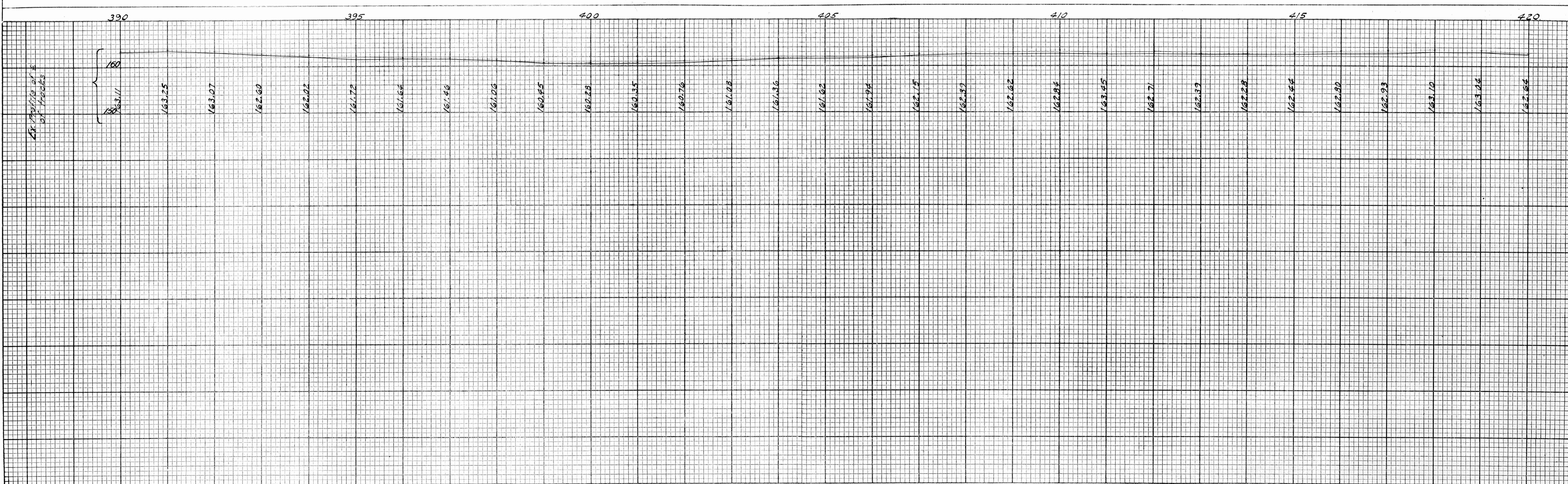
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MICH.	U-229 (3)			
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS
US 16	82-125	Wayne	Detroit	9	
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	MICH.				
ROUTE	STATE PROJECT	COUNTY	CITY	SHEET NO.	TOTAL SHEETS

Note: In case the plank crossing is placed after the asphalt surface is completed, the railroad crossing will be smoothed up by the Maintenance Division 5 tons Sheet Asphalt Wearing Course.

Remove and replace ex. track crossing 30 sqyd Removing Old Pavt. 100' of Track Crossing 5td. E-4-A-22D. Det. #2 } by others



33' Av. Width Resurfacing



OPERATION	BY	DATE
PRELIMINARY R.O.W. CHECKED		
FINAL DESIGN CHECKED		
TRACED		
FINAL R.O.W. CHECK		
QUANTITIES CHECKED		
BOUND		

OPERATION	BY	DATE
SURVEYED	Wook, J.	6-57
PLAN PLOTTED	Tracy, J.	1-57
PROFILES PLOTTED	Hall	7-57
PRELIMINARY GRADE		
GRADE INSPECTION		
FEDERAL INSPECTION		