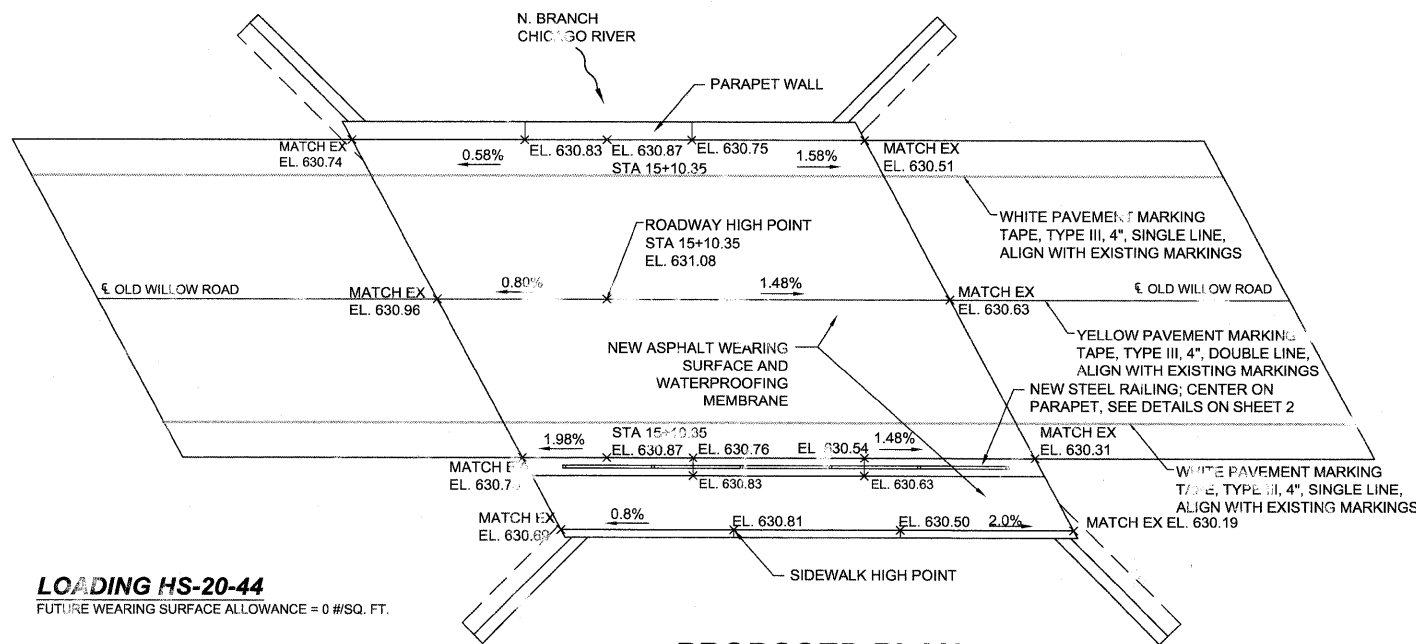
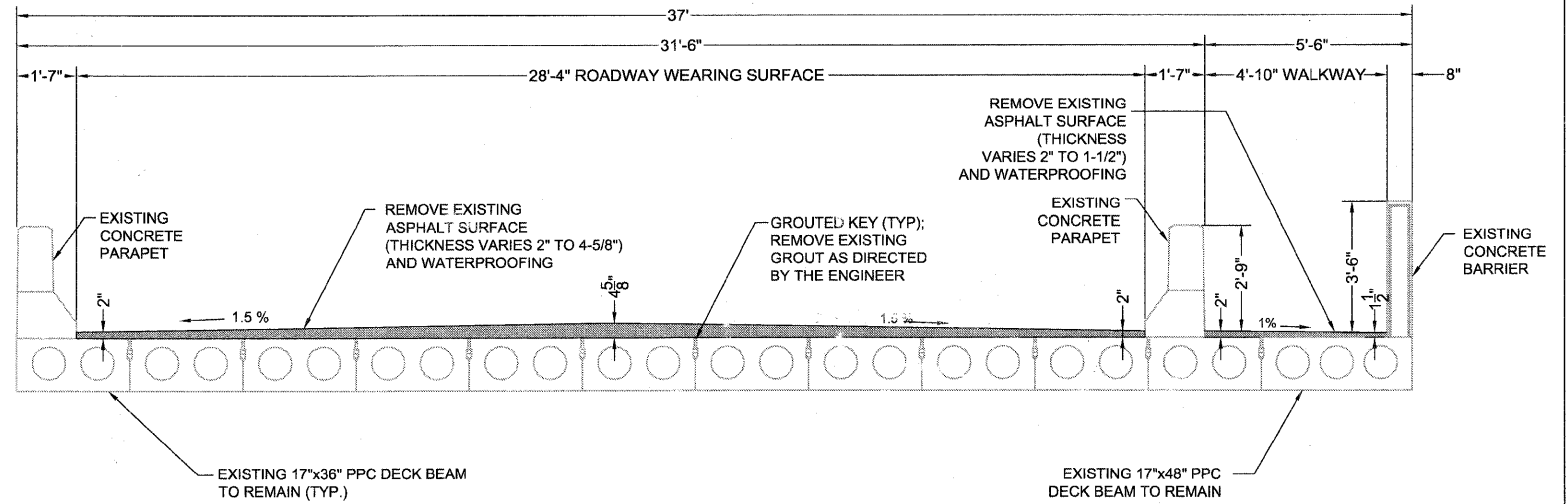


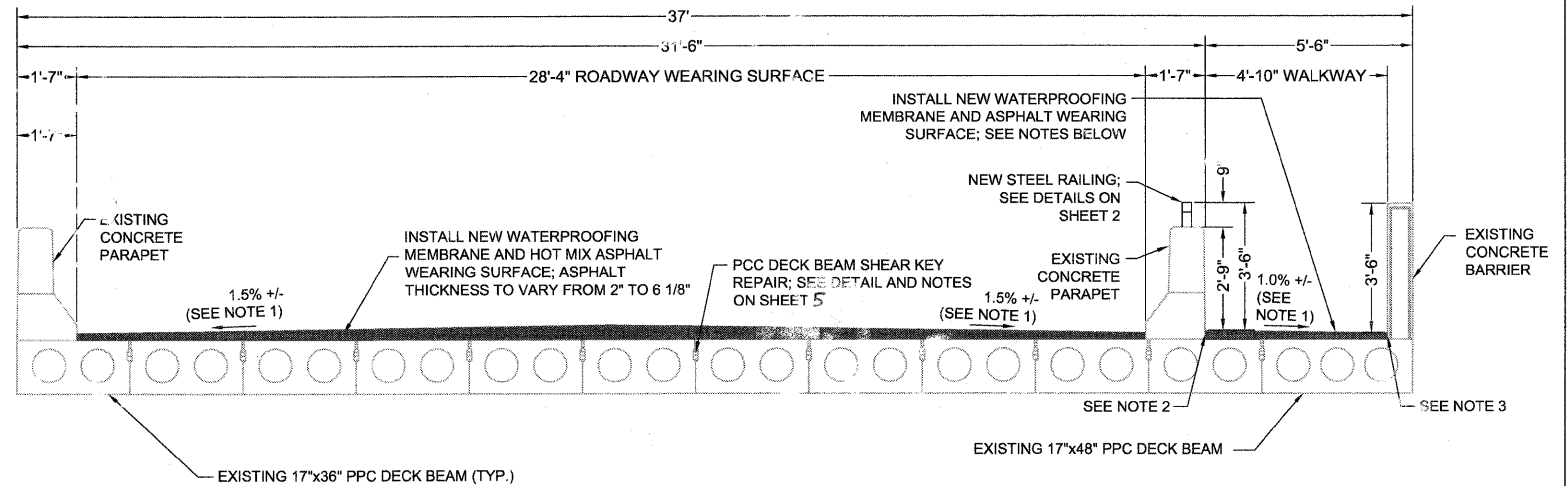
**EXISTING PLAN**



**PROPOSED PLAN**

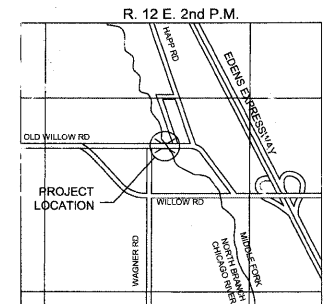


**EXISTING CROSS SECTION**



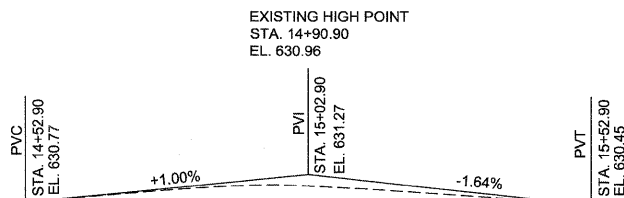
**PROPOSED CROSS SECTION**

- NOTES:
1. TYPICAL CROSS SLOPE SHALL VARY NEAR CONCRETE APPROACHES IN ORDER TO MATCH GRADE
  2. ASPHALT WALKWAY SHALL VARY IN THICKNESS FROM 2" - 4" ADJACENT TO PARAPET WALL
  3. ASPHALT WALKWAY SHALL VARY IN THICKNESS FROM 1 1/2" - 3 1/2" ADJACENT TO BARRIER WALL
  4. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE IN ORDER TO PREVENT PONDING ON THE BRIDGE DECK



**LOCATION SKETCH**

**LOADING HS-20-44**  
FUTURE WEARING SURFACE ALLOWANCE = 0 #/SQ. FT.



**EXISTING PROFILE GRADE**

WATERWAY INFORMATION									
DRAINAGE AREA = 24.2 SQ. MI LOW GRADE ELEV. 628.3 @ STA. 11+00									
FLOOD	FREQ YR	O.C.F.S.	OPENING SQ. FT.		NAT H.W.F.	HEAD FT.		HEADWATER EL.	
			EXIST	PROP		EXIST	PROP	EXIST	PROP
DESIGN	30	912	168.1	221.8	627.7	1	0	628	627.7
BASE	100	1109	168.1	221.8	627.7	1.1	0.1	628.4	627.8
OVERTOPPING									
MAX CALC.	500								

**HOT MIX ASPHALT REQUIREMENTS**

MIXTURE TYPE	AC TYPE	AIR VOIDS	MAX RAP%
HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1.5"	PG 64-22	4% @ 50 GYR	15%
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2.0"	PG 64-22	4% @ 50 GYR	15%
LEVELING BINDER (MACHINE METHOD), N50	PG 64-22*	4% @ 50 GYR	25%

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUALITIES IS 112 LBS/SQ. IN  
\*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22



*James E. Adams*  
LICENSED STRUCTURAL ENGINEER  
(ILLINOIS STRUCTURAL ENGINEER'S SEAL)  
EXPIRATION DATE 11/30/10