

Design Communication Report

ROUTE 50 Tuckahoe River Bridge, Sections 2E 3B
Upper Township (Cape May County) and Corbin City (Atlantic County)

Design Activity No. 2010 Prepare Preliminary ROW Documents	Approved Date by Dept. PM	DCR Entry No. 13
		R.O.W.
<u>Design Element</u> : ROW south of New York Avenue (Paper Street)		
<u>Decision and reasoning:</u> At the suggestion of NJDOT ROW reviewer, the proposed ROW taking south of New York Avenue has been eliminated.		

Design Activity No. 2190 Prepare Roadway Plans	Approved Date by Dept. PM	DCR Entry No. 12
		R.O.W.
<u>Design Element</u> : Marshall Avenue Approach to Route 50		
<u>Decision and reasoning</u> : Upper Township Engineer requested Marshall Avenue eastbound approach to Route 50 to be widened to 2 lanes. This will allow a car turning right onto southbound Route 50 to bypass a truck that is waiting to turn left into northbound Route 50. Parsons modified the plans by widening the R.O.W. south of Marshall Avenue using a parcel owned by Upper Township.		

Design Activity No. 2010 Prepare Preliminary ROW Documents	Approved Date by Dept. PM	DCR Entry No. 11
		ROW
Design Element : ROW at Kendall Lane		
Decision and reasoning: Curb return radii at the intersection of Kendall Lane and Route 50 have been reduced to eliminate the need to acquire properties at the corners.		

Design Activity No. 2059 Review Access Cutouts	Approved Date by Dept. PM	DCR Entry No. 10
		Access Design
Design Element : Access to the pizza restaurant at the intersection of Rt 50 and Reading Avenue		
Decision and reasoning: The realignment of Tuckahoe –Mount Pleasant Road created an access concern for the pizza restaurant at that corner. Parsons presented 3 alternate designs for this location. NJDOT selected a design that allows access (ingress and egress) from Reading Avenue but an exit only onto Tuckahoe – Mount Pleasant Road. Parsons incorporated that design into the plans.		

Design Activity No. 2059 Review Access Cutouts	Approved Date by Dept. PM	DCR Entry No. 9
		Access Design
Design Element : Post Office Access and Parking Design		
Decision and reasoning: At the request of NJDOT, Parsons developed 4 alternatives for access to the Post Office that included considerations for handicap parking. NJDOT selected the alternative that will build a raised island at the back of Rt 50 curb and within NJDOT ROW. This alternative will allow handicap parking in front of the building.		

Design Activity No. 2095 Review Access Cutouts	Approved Date by Dept. PM	DCR Entry No. 8
		Access Design
<u>Design Element</u> : Access to Cody’s property on the west side of Rt 50		
<u>Decision and reasoning:</u> At the request of NJDOT Access Group, the driveway access to Cody’s business property was widened to 50 feet. Using AutoTurn software, the turning movement of a WB-40 truck into the property from northbound and southbound Rt 50 has been checked and verified to be accessible.		

Design Activity No. 2160 Prepare Traffic Signal Design	Approved Date by Dept. PM	DCR Entry No. 7
		Traffic Signal Design
Design Element : Traffic Signal design at intersection of Rt 50 and Rt 49		
Decision and reasoning: To properly design the traffic signal system at the intersection of Route 50 and Route 49, NJDOT directed Parsons to obtain current traffic count data and perform HCS analysis to support the proposed traffic signal timing and phasing. This will be done under contract modification.		

Design Activity No. 2330 Preliminary Design Comment Resolution	Approved Date by Dept. PM	DCR Entry No. 6
		ROW
<u>Design Element</u> : Meadowview Lane		
<u>Decision and reasoning:</u> At the request of the NJDOT Project Manager, the Meadowview Lane approach to Route 50 has been widened to accommodate two 9'-0" lanes. The ROW will be widened to the north to accommodate the widening.		

Design Activity No. 1230 Roadway Plans	Approved Date by Dept. PM	DCR Entry No. 5
		Proposed Sidewalk Limits
Design Element : Sidewalks along Route 50		
Decision and reasoning: It has been agreed that new 4'-0" sidewalks will be constructed on both sides of Rt 50 from Marshall Avenue as the south limit to the Bridge over the Tuckahoe River on the north. The sidewalk on the west side will end at Mosquito Landing Road and on the east side will end just beyond the bridge.		

Design Activity No. 3080 Complete Drainage Design	Approved Date by Dept. PM	DCR Entry No. 4
		Drainage Design
<u>Design Element</u> : NJDOT drainage group suggested the use of HDPE as an alternative to reinforced concrete pipe throughout the entire project where feasible.		
<u>Decision and reasoning:</u> At the request of NJDOT, HDPE will be offered as an alternative to RCP where the cover is more than three feet.		

Design Activity No. 2095 Review Access Cut-Outs	Approved Date by Dept. PM	DCR Entry No. 3
		Access Design
<u>Design Element</u> : Second access for property Block 310 Lot 13.02		
<u>Decision and reasoning:</u> As instructed by NJDOT Access Unit, a modified access was prepared on Rt 49. This will allow egress from the lot on the northwest corner of Rt 49 and Rt 50. A fax copy of design from NJDOT is the record.		

Design Activity No. 2300 Prepare Permit Applications	Approved Date by Dept. PM	DCR Entry No. 2
		Environmental
<u>Design Element</u> : According to NJDEP iMap Landscape Project 2.1 database and the US Fish and Wildlife Service's (USFWS) municipality list includes the presence or possible presence of a number of state endangered and threatened plant and bird species which Parsons believes would require field studies or investigations that would have to be performed in order to address the federal and state requirements for permitting for this site. USACOE will not require any investigations for state listed species since they have no jurisdiction; however, the NJDEP will require further review or investigations for all species identified above. Both federal and state wetland permits will be required for this project. Parsons has recommended conducting such additional investigation and fieldwork this year to conduct these studies to prevent delays in the wetland permit application process and in the project overall schedule. Parsons recommended the Natural Heritage request should be conducted immediately and USFWS should be notified to identify species within the study area.		
<u>Decision and reasoning:</u> It is noted, however, that on 9/1/10 NJDOT does not think any threatened and endangered species		

or habitat are present. NJDOT has also instructed Parsons that it will provide specific direction in a few weeks.

Design Activity No. 1230 Prepare Roadway Plans	Approved Date by Dept. PM	DCR Entry No. 1
		Roadway Lighting Design
<u>Design Element</u> : Roadway lighting added to contract and limits of lighting		
<u>Decision and reasoning:</u> At the request of Upper Township and as agreed by NJDOT, historically appropriate lighting will be added to both sides of Rt 50 from the Tuckahoe River Bridge to Kendall Lane. The lighting will provide the require illumination of the Rt 50 roadway. NJDOT will pay for the construction of the lighting and Upper Township will be responsible for the maintenance.		